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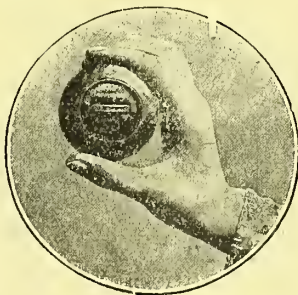
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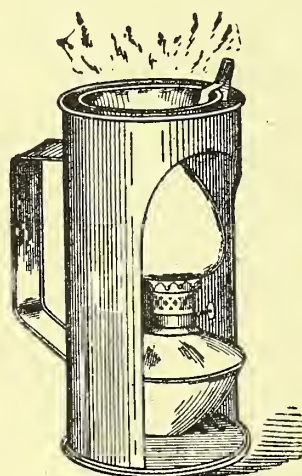
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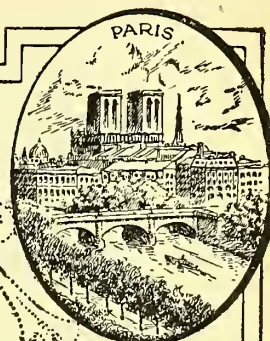
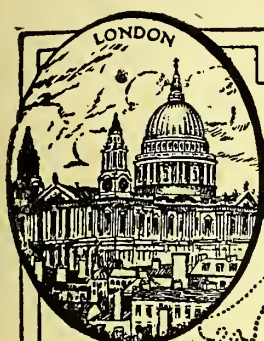
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R. W. Greeff & Co., Ltd.

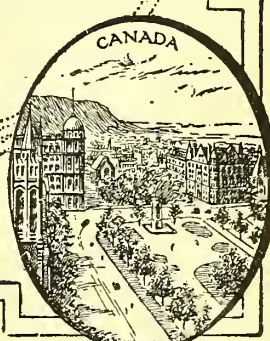
THAMES HOUSE, QUEEN STREET PLACE,
LONDON, E.C.4.

MANCHESTER BRANCH

Palatine Bank Buildings
10 Norfolk Street.

NEW YORK AGENTS

R. W. Greeff & Co., Inc.,
78 Front Street.



THE ELCO BRAND

TESTED AIDS
TO HEALTH
AND BEAUTY



LIVERPOOL, E.S. LwCO
NEW YORK, LONDON

APRIL 23rd

is the last day of our
Special Booklet offer,
and we would remind all Chemists who
have not yet availed themselves of it to
communicate with us before this date.

Specimen £5 carriage paid ELCO order.

	Cost		Selling Price	
	P.A.T.A.	P.A.T.A.	P.A.T.A.	P.A.T.A.
	s.	d.	£	s. d.
2-doz. Elco Borated D.isting Pdr. @ 8/6	17	0	1	10 0
1-doz. Elco Blood Purifier, 6-oz. @ 15/-	15	0	1	10 0
1-doz. Elco Liver Tonic @ 18/-	9	0	15	0
1-doz. Elco Foot Tablets @ 5/9	5	9	12	0
1-doz. Elco Cold Cure Tablets @ 6/-	6	0	12	0
1-doz. Elco Household Embro. @ 11/9	11	9	18	0
1-doz. Elco Headache and Neuralgia Tablets @ 9/-	9	0	18	0
1-doz. Elco Saline @ 16/-	16	0	1	4 0
1-doz. Elco Witch Hazel Cream @ 11/6	11	6	18	0
10) - 32 page Illustrated Booklets	Free		—	
Showcards, Window Transparencies, etc.	Free		—	
	£5	1 0	£8	17 0
Less 5 % Discount	5	1		
	£4	15 11	£8	17 0

Profit on Cost 84.9 %.

EVANS SONS LESCHER & WEBB LTD.
LONDON ∴ New York ∴ LIVERPOOL.

Maw's



Page

April 16, 1921

No. 496

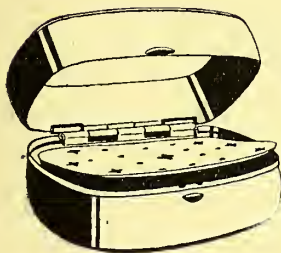
Some specially attractive offers in

Metal Soap Cases

Standard Pattern, Polished Aluminium,
Hinged Lid

Per dozen...	...	6/6
In 3 dozen quantities	6/- doz.	
In 12 „	„	5/9 „

Patent Elevator Pattern with tray to lift
up the cake of soap when box is opened
(as illustrated)



Aluminium	...	per doz.	8/-
White Enamelled	„		10/-
Silver Plated	...	„	16/-

Stout Pattern, Nickel Plated on Brass,
Hinged Lids

Standard size	per doz.	18/-
Extra Large size	„	20/-

Telephone:
City 7
Private
Branch
Exchange

Telegrams:
Eleven
Cent
London

S. Maw, Son & Sons. Ltd.
Aldersgate St., London.
and Barnet.

Cables:
Eleven
London

Code
A.B.C.
4th & 5th
Edition



A Message to Retailers

No. 4

ADVERTISED lines push the sale of other goods less well known. They constitute the most effective business-getting magnet available.

Imagine, for the sake of argument, that yours is a grocer's shop.

The housewife comes to your shop to ask if you stock a certain advertised self-raising flour which she wants, perhaps, for cake-making.

If you are in a position to sell it to her, it is only common sense to claim she will buy other necessary ingredients from you.

Well-advertised lines will increase your turnover week by week. They create a demand for a certain article, and in the selling of that you will sell other goods as well.

The well-advertised lines will bring you new customers every day.

Grasp this all-important fact, and learn by heart the question that retailers throughout the United Kingdom are asking every traveller who calls:

"Are the goods you want me to stock
advertised in The DAILY MAIL?"

Remember that The DAILY MAIL, with its certified net sale of much more-than-a-million copies, is the most powerful selling force known.

Ask yourself how many people there are near you who take The DAILY MAIL every day.

Keep the much more-than-a-million net sale in your mind, and make a resolve to ask every traveller if his goods have DAILY MAIL advertising behind them.

If his answer is "Yes," buy them. You will find they are the quickest selling lines on the market to-day.

*CARMELITE HOUSE,
LONDON, E.C.4.*

MOORLAND PHARMACY SERVICE

W.B. Cartwright, Ltd.

RAWDON ❖ NEAR ❖ LEEDS.

The Leading House of Ideas for Pharmacy.

Offer an unique service to both manufacturers and retailers who require advice and assistance upon matters relative to advertising and selling

We invite correspondence with manufacturers of really High-class Preparations, Toilet Specialities, Perfumery or Sundries, provided they are lines that will not clash with our present interests.

We are in an unique position to give you the best provided your lines are such as we can have confidence in.

Advertising must be well done to be effective—there is nothing upon which you can waste more money than ineffective publicity. If you have *the* line we can create *the* market for you.

ADDRESS
PUBLICITY DEPT.

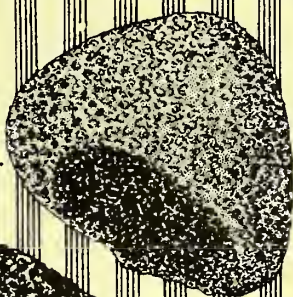


MOORLAND
PHARMACY SERVICE

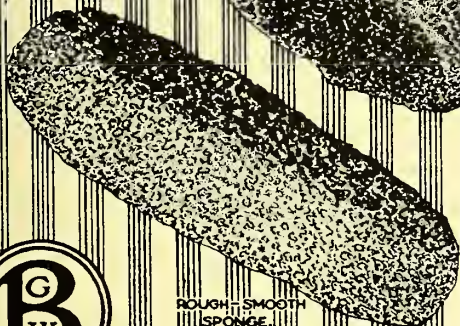
Choose the Best Quality!



CUP
SPONGE.



ROUGH-SMOOTH
SPONGE.



PATENT

BELDAM PURE RUBBER "TURKEY" SPONGES

Made from the best red rubber, of a fine soft texture, which resists wear much better than the coarser varieties. The ordinary sponge is made in five sizes; the patent Rough-Smooth in three sizes; and the Turkey Cup in one size only.

Unaffected by boiling water, or strong disinfectants, they are the perfect sponge.

Write for full price list.

Sole Selling Agents

• MOORLAND •
PHARMACY SERVICE

W.B. CARTWRIGHT LTD.

• RAWDON NR LEEDS •



QUICK-SELLING and HIGH-CLASS TOILET SPECIALITIES

In order to introduce these, we offer to send, Carriage
Paid, one case containing one of each of the following :



	Retail	Wholesale
Adiantine Hair Wash	1/3	9/6 doz.
Bath Crystals - -	2/6	21/- "
Brilliantine Concrete -	1/-	8/- "
"Boralia" Coconut Oil Brilliantine -	1/-	8/- "
"Boralia" Tooth Paste	1/-	7/6 "
Creme de Venice -	1/6	11/6 "
Caressa Powder "Poudre de Riz"	1/-	7/- "
Caressa Powder -	1/6	10/6 "

Caressa Powder Solide (with Puff) - -	Retail 1/-	Wholesale 7/6 doz.
"Boralia" Shampoo, 2-oz.	1/-	8/- "
"Boralia" Shampoo, 4-oz.	1/6	12/6 "
Arctic Shampoo - -	1/-	8/- "
Arctic Shampoo - -	1/9	14/- "
Talcum Powder - -	7½d.	5/- "
Cream of Lilies - -	1/-	7/- "
Bloom of Roses - -	6d.	4/- "



BEAUTIFUL SHOWCARDS of the principal lines are included.
Each article is got up in good style and the quality is of the very best.

COST - 12/5

RESULT - 19/1 ½

POTTER & CLARKE, LTD.

60, 62, 64 Artillery Lane - - LONDON, E. 1.

And at 24 Luna Street, Great Ancoats, MANCHESTER.



Supplies again available.

P.K.L. (Pain-Killing Liniment).

We have now replaced our stock of Labels and Cartons which were destroyed in the fire, and can supply *in full* all orders for this popular Liniment.

The quality and price remain the same.

Retail (P.A.T.A.) per Bottle . . . **1/6**

Wholesale, per dozen **12/-**

Special Bonus Offer.

One dozen supplied free of charge with an order for one gross and your agreement to make a window display for two weeks.

Lantern Slides.

A handsomely coloured Lantern Slide bearing your name and address will be supplied on request with orders for six dozen and upwards.

Showcards

Will be sent with all orders on request.

London Agents for
Ayrton Toilet Articles
and Household Remedies :

J. C. GAMBLES & CO.,
49 FARRINGDON STREET,
LONDON, E. C. 4.

AYRTON, SAUNDERS & Co. L^{TD}

Manufacturing Chemists

58 Hanover Street, LIVERPOOL



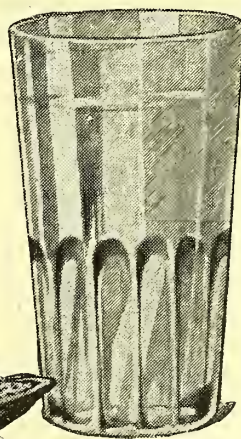
"Mineral Spring"

THE CHEMIST'S OWN
EFFERVESCENT

"MINERAL SPRING" enhances the prestige of the Pharmacy. Repeat sales are assured, for "Mineral Spring" is obtainable of Chemists and Druggists only. Pharmacists who do not know "Mineral Spring" are invited to send for a sample tin and compare its sparkling effervescence, its pleasant sharpness, its keeping qualities, and its attractive get-up with any other saline in stock.

TRADE PRICES

1/- size, 8/- doz.
2/- size, 16/- doz.
(Both sizes on P.A.T.A.)

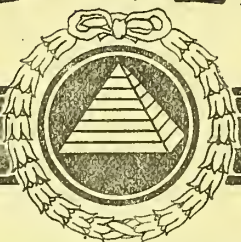


THOMAS KERFOOT & CO LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

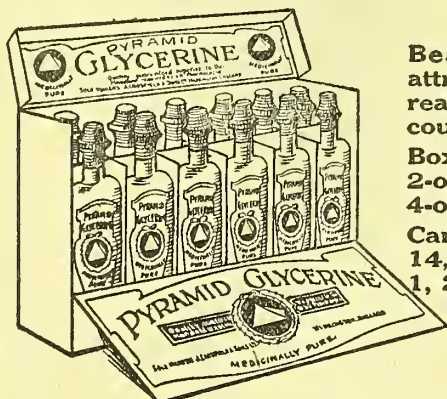
COPYRIGHT

PYRAMID GLYCERINE

Quality guaranteed
standard required



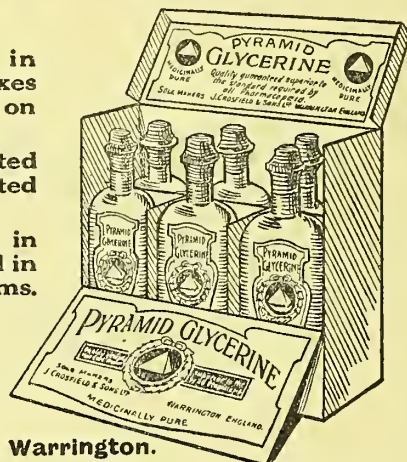
superior to the
by all Pharmacopæia



Beautifully packed in
attractive Display Boxes
ready for showing on
counter or in window.

Boxes contain 12 reputed
2-oz. bottles or 6 reputed
4-oz. bottles.

Can also be supplied in
14, 28 & 56-lb. tins, and in
1, 2½, 5 & 10 cwt. drums.



Write for particulars and Price List to
The Agents :- THE ERASMIC Co., Ltd., Warrington.

BESORBON

(Dr. Hill's Formula)

MEDICINAL SNUFF. ABSOLUTELY THE
FINEST REMEDY FOR CATARRH & COLD
IN THE HEAD.

Richard Dickeson & Co., (Incorporated with Reynolds, Sons & Co., Ltd.)
57-59 CHARTERHOUSE STREET, LONDON, E.C. 1.

TUCKER & CROSS,
15 ST. MARY AXE,
LONDON, E.C. 3.

Telephone—AVENUE 2569.

Telegram—"GLUCOSE LONDON."

French Arachide Oil

Finest. Edible. Emulsifiable.

Lucca Olive Oil (Edible)

Barrels and Tins and Cases.

ON SPOT.
STOCKS IN
LONDON.

Write, Wire or
Phone for
Samples and
Prices.

LOVATT & LOVATT, Ltd.

The Pottery, Langley Mill, near NOTTINGHAM

Makers of

**STONEWARE
BOTTLES and JARS**

London Office :

26-27 Hatton Garden,
E.C. 1.

**HAVE IT ON
14 DAYS' TRIAL!**

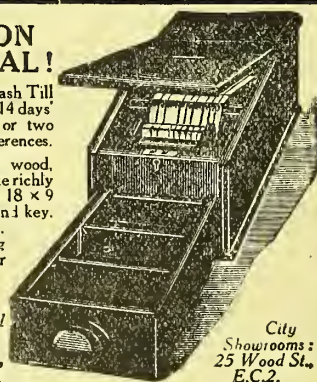
The "Improved Dudley" Cash Till
No. CD/3304 will be sent on 14 days'
trial on receipt of Cash or two
wholesale London trade references.

Made from well-seasoned wood,
stained and polished to imitate richly
coloured mahogany. Size 18 x 9
x 7½. Lid fitted with lock and key.
Recording paper 3½" wide.
Automatically rings warning
bell every time cash drawer
is opened.

85/- each.

"Improved Dudley" Till
Coils 5/- doz.

DUDLEY & COMPANY,
HOLLOWAY, LONDON, N.7.



City
Showrooms :
25 Wood St.
E.C. 2.



*Literally
sell themselves*

"SANOID" BORACIC SOCKS

Many Chemists have enjoyed the
ready sale of Boracic Socks which
Literally Sell Themselves.

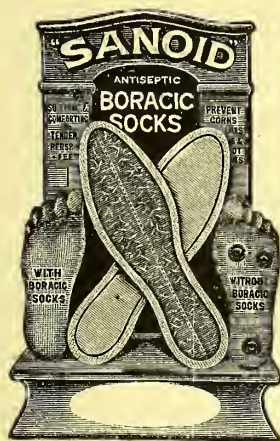
7/3 per dozen pairs.

84/- per gross pairs.

RETAIL PRICE 10½d. per pair.

ON P.A.T.A. LIST.

*Sample Pair Post Free on
Application.*



Facsimile of Showcard

Cuxson, Gerrard & Co.
LIMITED,

OLDBURY, near Birmingham.

*Foreign and Colonial Orders
Invited.*

S. African Agents—
ALL BRITISH AGENCY COMPANY,
10 Main Street,
Port Elizabeth.

N.V. CHEMISCHE FABRIEK "NAARDEN"

BUSSUM, HOLLAND.

ESSENTIAL OILS, &c.

for the Soap, Confectionery, Mineral
Water, Tobacco and Allied Trades.

SPECIALISTS

in the manufacture of SYNTHETIC
Products for the Perfumery Trade.

Flor. Oils. Pharmaceutical Oils. Chemicals.

LARGE STOCKS IN LONDON.

Apply for Price List to—

GERALD BROMAGE & CO., 9-10 Foster Lane, E.C. 2

Telephone : CITY 4719

"ARETHUSA"

Brand

ESSENTIAL OILS

LEMON, ORANGE (Sweet & Bitter)
BERGAMOT :: MANDARIN

Guaranteed absolutely pure

**The Brand that covers only Finest
Quality Oils.**

*Manufactured by the old-established house of
FRATELLI JUNG (Est. 1867) Palermo,
Messina, Catania.*

ASK YOUR USUAL SUPPLIERS
to deliver you "Arethusa" Essential Oils,
or apply to the London Agents :

**Gerald McDonald & Co.,
9 BOTOLPH LANE - E.C.3.**

Telegrams : "Spicebush, Bilgate, London."
Telephone : Avenue 206 (3 lines, 7 extensions).

Shipkoff's Pure Otto of Rose

*Nature ordained that Otto of Rose should have certain
chemical and physical contents. Fakers design rose oils having
the same contents, but they are not Otto of Rose.*

Shipkoff's Otto of Rose is Nature's Otto.

*Before placing your contract be sure to get Shipkoff's sample
and price, and try it. Original Sample Coppers in 1, 2 & 4-oz. sizes.*

ONCE TRIED—ALWAYS USED.

Highest Awards at all Universal Expositions, including
Four Grand Prizes.

Shipkoff & Co., Kazanlik, Bulgaria.

BRANCH OFFICE IN SOFIA.

Model Steam Factories in Kazanlik, Kalofer, Kerlovo and
Rahmenlari. London Depot—

G. P. & J. BAKER, LTD., 5 Giltspur St., Newgate St., E.C. 1.

MUSK GENUINE INDIAN

SPOT DELIVERY.

Price on Application.

RAOUL FRÈRES

Drug and Chemical Manufacturers,

6 HOLBORN VIADUCT, LONDON, E.C. 1.

CHEMICAL WORKS ROERMOND



AROMATIC CHEMICALS
SYNTHETIC PERFUMES
FLOWER OILS –
ESSENTIAL OILS
ARTIF. MUSKS –

“RACO” FLOWER OILS
COMPOUNDS
CONCENTRATED ESSENCES
for Perfuming Toilet and Cosmetic Preparations.

To be used by every Chemist.

Simplest and easiest!

The use of our essences of unequalled delicacy gives
QUALITY AND DISTINCTION TO YOUR PRODUCTS.

Please send for samples to prove our essences and to convince you of
their great superiority.

Samples and expert advice for practical working will be furnished
promptly on request.

H. RAAB & CO.

ROERMOND

HOLLAND.

Represented by—

ALFRED PAUL WHITE,
5 WATER LANE, GREAT TOWER STREET,
LONDON, E.C.3.

K. B. MAVLANKAR

Telegraphic Address:
"EKDUM LONDON."

Codes:
ABC, 5th; BENTLEY'S



Sole European Agent to
ESSENFLLOUR
PRODUCTS, LTD.,
Mysore, S. India.

ESSENTIAL OILS
Synthetic Chemicals
Natural Flower Oils
Artificial Flower Oils
MUSK. AMBERGRIS.
CIVET
All Indian Essential Oils

Telephone:
HOLBORN 2499.



Sole Agent in U.K. to
Messrs. POLAK &
SCHWARZ, Ltd.,
Zaandam, Holland,
AND
DITTA MARIO DE
PASQUALE, Messina.

26-27 Hatton Garden - - LONDON, E.C. 1.

And at 29 CORPORATION STREET, MANCHESTER.

RUVOIRE ET CIE

MANCHESTER & ANTIBES.

High-class Concentrated Perfumes
made with some of the finest flower
oils from the South of France, in
high-class rod-stoppered hexagon
bottles with gold seals.

ODOURS—

PARMA VIOLET. SWEET PEA.
WHITE ROSE. WHITE LILAC.
WALLFLOWER. LILY OF THE VALLEY.

FREE FROM SPIRIT.

Above combination mounted on
artistic card, displaying One Dozen
Bottles.

A very attractive and good Selling Line.

APPLY— **A. M. EVANS,**
154 CHURCH LANE, HARPURHEY
MANCHESTER.

SPRING IS HERE once more to
help your sale of **POWDER PUFFS.** Are
you ready to meet the increasing demand?

WE supply Powder Puffs of all kinds
in Down or Wool at prices defying
competition in this country!! None but the
choicest Skins and the highest grade of Wool
are used in conjunction with their manufacture.
We are in a position to ensure quick deliveries
of Swansdown Skins and Wool Cloth in
several qualities, and we cordially invite
enquiries from **Makers.**

We also SPECIALISE in

MANICURE REQUISITES
NAIL POLISHERS FAVEUR RIBBONS
PERFUME LABELS, "Le Relief" Paris.
We can show you the latest Paris Creations.

DRUGGIST SUNDRIES, etc.
Compact Powder, Nail Crayon and Paste,
Vanishing Creams and Skin Food, Perfumery.

In Bulk or Packed ready for Export.

Samples and detailed Price Lists are sent upon request to
WHOLESALE and SHIPPERS ONLY.

J. R. BOURLAT, GOES & Co.

(Incorporating Wm. A. J. SHARPLES)

21 Clarendon Rd., Holland Park, London, W.11

Telephone: PARK 2592.

Laboratories: 4 Beatrice Road, Stroud Green, N.4
LONDON PARIS BRUXELLES

ESTABLISHED 1895

MOHAWK BRAND
OIL PEPPERMINT
 (NATURAL AND REDISTILLED)
AMERICAN

PACKED AS FOLLOWS:
 3 20-lb. Tins to a Case | 10 5 lb. Tins to a Case
 5 10-lb. Tins to a Case | 50 1-lb. Bottles to a Case

All Packages Inclusive.
*Preferred and specified by all discriminating
 Manufacturers as a product of unexcelled
 purity and delicacy of flavour.*

Exclusive Agents for the United Kingdom:
Messrs. E. CUILLEVIC & COMPANY,
 19 ST. DUNSTON'S HILL - - LONDON.

MOHAWK



BRAND



MAGNUS, MABEE & REYNARD, INC. NEW YORK U.S.A.

CHLOROPHYLL

HIGHEST QUALITY.

ABSOLUTELY PURE.

UNIFORM DELIVERIES.

CHLOROPHYLL C. Oil soluble. Blue Shade.

CHLOROPHYLL CG. Oil soluble. Yellow Shade

CHLOROPHYLL S. Water and spirit soluble.

THE SANDOZ CHEMICAL CO. LTD., BRADFORD. (2)

ROURE BERTRAND FILS, GRASSE. *Established 1820.*

LAVENDER (French), SPIKE LAVENDER (French and Spanish)

NEROLI, GERANIUM (African and Bourbon), SANDALWOOD, PETITGRAIN (French and American),

VETIVER (Java and Reunion), ROSEMARY, BOIS DE ROSE FEMELLE, YLANG, &c.

ORRIS CONCRETE and LIQUID.

ESSENCES, SOLIDES and LIQUIDS from flowers.

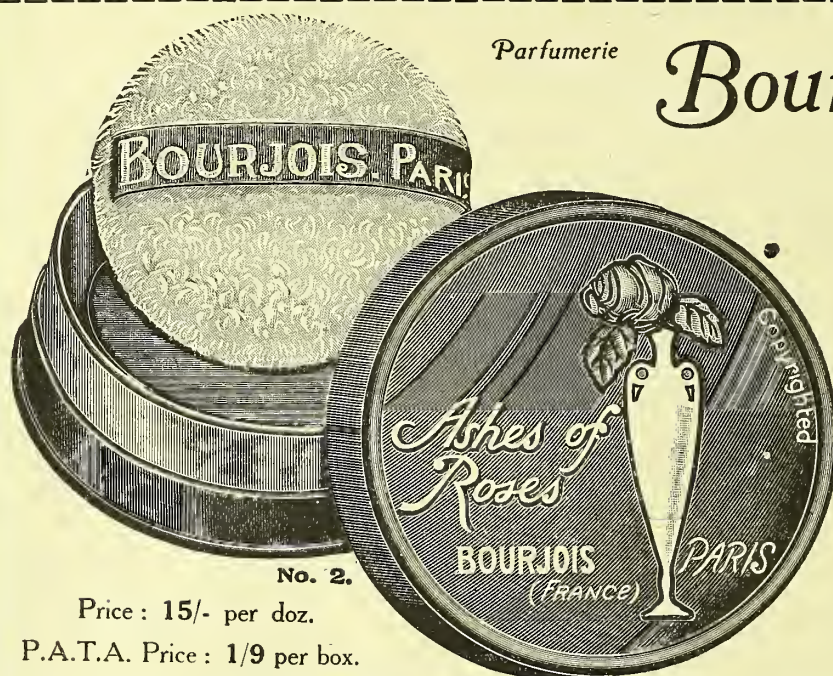
RESINOIDS and POMADES.

We have Stocks in London of the most important Essential Oils and Perfumery Products.

JUSTIN DUPONT, Argenteuil (S. & O.), France
Makers of SYNTHETIC PERFUMES

and some of the finest original odours extant, for Sachets, &c.

SOLE AGENTS FOR THE UNITED KINGDOM:
STEPHENS BROTHERS & CO., Offices: 13a FINSBURY SQUARE, LONDON, E.C. 2
 Warehouse: 34 MALLOW STREET, OLD STREET, LONDON, E.C. 1.
Wholesale Houses only supplied.



Parfumerie **Bourjois** Paris

The Celebrated
**Ashes
of
Roses**

(Solid Face Powder)

No. 2.

Price : 15/- per doz.

P.A.T.A. Price : 1/9 per box.

A. Bourjois & Cie, Ltd., 66 Carter Lane, London, E.C. 4.

Also manufacturers of the famous POUDRE de RIZ de JAVA { No. 45, 10/- per doz. P.A.T.A. 1/3 per box.
No. 495, 7/- per doz. P.A.T.A. 10½d. per box.

Telegrams—"Porous London."
Codes—A B C, 5th Edition.
Telephone—City 6910 (2 lines).

104 & 106 GOLDEN LANE,
LONDON, E.C. 1.

DEAR SIR,

Re Antiseptic Toilet and Baby Powder, J. & J.

To gain the confidence of your customers is the keynote to SUCCESS. You are SAFE in recommending this powder ; it has many rivals but no equal. BEST FOR TOILET, BEST FOR NURSERY. It will bring customers back to your Pharmacy over and over again for more, the QUALITY compels this, and that is what is wanted. Moreover, the customers' presence offers the opportunity to sell them something else.

Yours faithfully,

JOHN TIMPSON & CO., LTD.

Agents for JOHNSON & JOHNSON.

The Perfume which has captivated the Public.

Oriental Poppy Buisson

An Eastern Perfume of wonderful fragrance and great lasting power, packed in dainty bottles and cartons.

Bath Salts

Brillantine

Absolute Perfume
(without alcohol)



Perfumed Cards

PROTECTED P.A.T.A. PRICES.

Size	Wholesale	Retail
Small	24/- doz.	3/- each
Medium	42/- „	5/3 „
Large	80/- „	10/- „

Sole Proprietors—

W. J. BUSH & CO., Ltd.

ASH GROVE ————— HACKNEY, E. 8



The
**HENNA
CULT**

of Hair Beauty, based
on the famous
EVAN - WILLIAMS
ORIGINAL
HENNA SHAMPOO
daily extends its bound-
aries, and is now a
subject for popular
journalism.

It pays to sell this famous line.

You will find full details of terms and
prices in the current issue of "THE
SHAMPOO SALESMAN," a copy of
which is gladly sent on request.

Be sure to order

THE EVAN WILLIAMS ORIGINAL
Henna Shampoo

Wholesale only :
THE EVAN-WILLIAMS CO., LTD.
18 Ogle Street - LONDON, W. 1.



Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone."
A big vigorous, impressive advertising campaign, covering
the whole of the British Isles, is now being pursued. A
vastly increased volume of business is inevitable. Generous
profit to the trade has been arranged.

TATCHO

THE HAIR GROWER
Price 2/9

Wholesale :

26/-

PER DOZEN.

TATCHO-TONE

FOR GREY HAIR
Price 4/6

Wholesale :

42/-

PER DOZEN.

GEO. R. SIMS' HAIR RESTORER CO.
5 Great Queen St., Kingsway, LONDON, W.C.2.

Fanchette (Regd.)
LIQUID FACE POWDER

A Charming Toilet Preparation.

Selling Price, **2/6** per bottle.

Retailers, Less 33½ % Wholesalers, Less 33½ % & 20 %

MANUFACTURERS :

HARRIES, Fanchette Toilet Preparations
46 PARK CRESCENT MEWS WEST, W. 1.

Special Clearing Lines

**POCKET and
SHAVING MIRRORS**

BOUND IN LEATHERETTE

EXCEPTIONAL VALUE

Sample sets sent on approval provided you
agree to return same within seven days.

FRANK BUCKLER, LTD.
CASTLE WORKS TOTTENHAM, N. 17

“RIVERA”

VICTORY BOUQUET TOILET SOAP.

Holds the Premier
place in Beauty's Court,
and charms the most
fastidious customer.

Wholesale	Retail
60/- per gross tablets. (12 tab. boxes).	7d. per tablet.

Usual terms.



If you do not stock it, send a Trial Order without delay.

EDWARD COOK & CO., LTD., *Soap Specialists,*
BOW, LONDON, E. 3.



The Growing Demand

for Nildé products is due to two causes: (1) the super-quality of the goods themselves, and the attractive manner in which they are presented to the public; and (2) the steady outflow of vigorous publicity which keeps the name of Nildé ever fresh in the public mind.

POUDRE NILDÉ

in the sifter box

Shows you $33\frac{1}{3}\%$ on selling price.

If you are *au fait* with your customers' needs you will not hesitate to stock it regularly. Not only is it a line which "turns over" rapidly and at a good profit, but it gives your customer 100 % satisfaction—*always*, and therefore builds up goodwill, and makes for the expansion which is based on recommendation.

Minimum Selling Prices:

ROUGE INVISIBLE NILDÉ

in the sifter box.

Small size	- - - -	1/6
In leather case	- - - -	5/6

Tints: Brune & Blonde.

POUDRE NILDÉ

in the sifter box.

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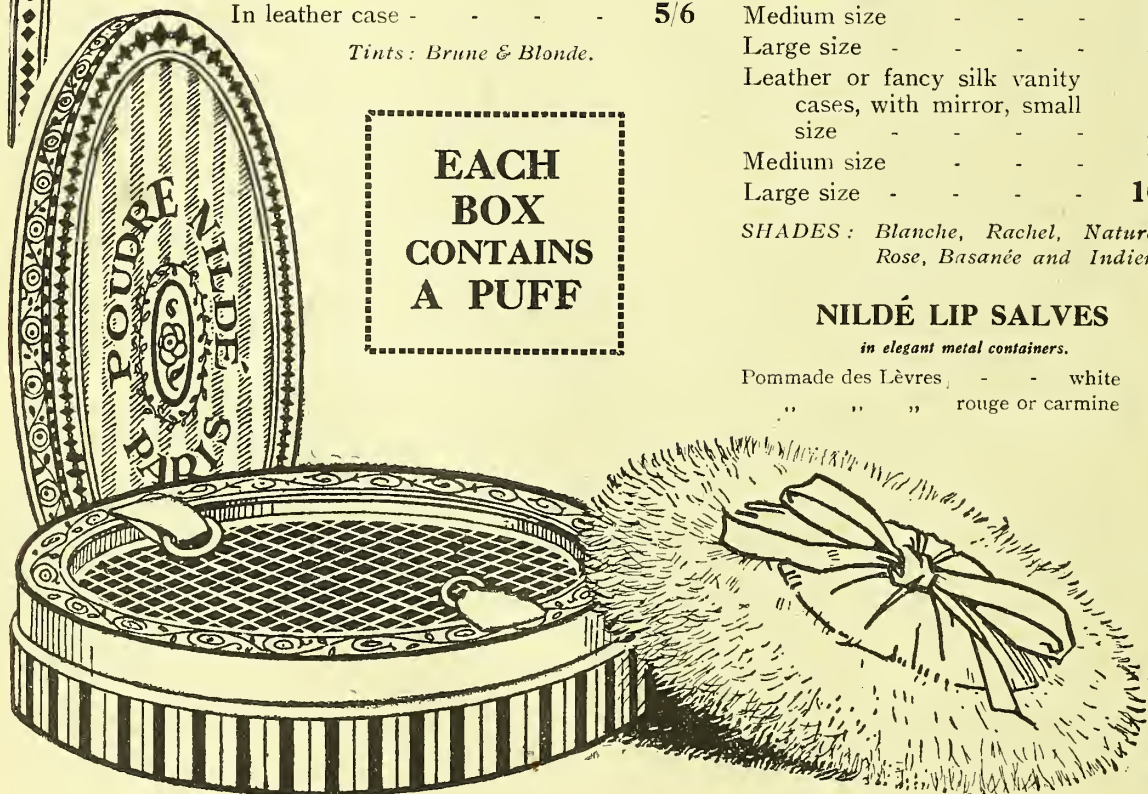
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8.	" " Powder	13/6 1/6
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10.	" " " Plain	18/- 2/-
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13.	" Cuticle Comfort ...	18/- 2/-
14.	" Nail Bleach Powder	18/- 2/-
15.	" " Rouge ...	18/- 2/-
16.	" Compact Manicure Set	27/- 3/-
17.	" Travelling " " "	84/- 9/6
18.	" Boudoir " " "	168/- 19/-
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A complexion soap.			
PROLACTUM	-	10/-	1/-
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PARSIDIUM JELLY	-	10/-	1/-
For wrinkles.			
ALLACITE of ORANGE	-	22/6	2/6
A dressing cream. BLOSSOM			
BORANIUM	-	22/6	2/6
A hair tonic.			
CLEMINITE	-	22/6	2/6
For a face lotion.			
COLLIANDUM	-	22/6	2/6
For a face tint.			
PERGOL	-	22/6	2/6
A deodorant.			
STALLAX	-	22/6	2/6
For a shampoo.			
JETTALINE	-	31/6	3/6
For clearing the skin.			
PHEMINOL	-	36/-	4/-
A depilatory.			
MENNALINE	-	36/-	4/-
For the eyelashes.			
MERCOLIZED WAX	-	31/6	3/6
A face cream.			
STYMOL	-	36/-	4/-
For oily complexions and blackheads.			
BARSYDE	-	22/6	2/6
Dandruff eradicator.			
TAMMALITE	-	22/6	2/6
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ALTERATIONS IN TRADE LIST PRICES

During MARCH, 1921

The following list relates to the changes in prices which have occurred in respect to staple products or important alterations of prices of products in less frequent demand:—

NOTE.—The prices given below are current trade list prices to which 10 % is to be added to arrive at the Minimum Selling Prices to the public.

TRADE MARK		Per Dozen	
		25's	100's
	'TABLOID' BRAND		
	Digitalin (Cryst.), gr. 1/250 . . .	—	54/-
	Pyramidon, 0.3 gm.	24/-	—
	Pyramidon, 0.5 gm.	36/-	—
	Quinine Acetylsalicyl., gr. 3 . . .	27/-	95/-
	Bihydrochloride, gr. 2	18/-	58/-
	Bihydrochloride, gr. 3	24/-	84/-
	Bihydrochloride, gr. 5	36/-	126/-
	Bihydrochloride, gr. 10	70/-	245/-
	*Bisulph., gr. 1/2	7/-	18/-
	Bisulph., gr. 1	9/-	27/-
	Bisulph., gr. 2	14/-	42/-
	Bisulph., gr. 3	20/-	65/-
	Bisulph., gr. 4	25/-	88/-
	Bisulph., gr. 5	30/-	105/-
	Bisulph., gr. 10	55/-	193/-
	Hydrobrom., gr. 1	11/-	33/-
	Hydrobrom., gr. 2	18/-	58/-
	Hydrobrom., gr. 3	24/-	84/-
	Hydrobrom., gr. 4	29/-	102/-
	Hydrobrom., gr. 5	34/-	119/-
	Hydrochlor., gr. 1	11/-	33/-
	Hydrochlor., gr. 2	17/-	55/-
	Hydrochlor., gr. 3	22/-	72/-
	Hydrochlor., gr. 4	28/-	98/-
	Hydrochlor., gr. 5	34/-	119/-
	Salicylate, gr. 1	12/-	36/-
	Salicylate, gr. 3	27/-	95/-
	Salicylate, gr. 5	42/-	147/-

TRADE MARK		Per Dozen	
		25's	100's
	'TABLOID' BRAND		
	Quinine Valerianate, gr. 2 and 0.1 gm.	—	108/-
	Santonin, gr. 1/2	33/-	116/-
	Santonin, gr. 1	60/-	210/-
	Santonin, gr. 2	108/-	405/-
	Santonin, gr. 3	156/-	585/-
	Santonin, 0.025 gm.	—	105/-
	Santonin and Calomel, aa 1 gr. . . .	60/-	210/-
	Vet. Hypodermic No. 208, Digitalin, gr. 1/4 . . . Tubes of 12, . . .	24/-	Doz.
	Hypodermic No. 306, Digitalin, 0.0005 gm. . . . Tubes of 20, . . .	36/-	Doz.
	Photographic Developers	21/6	Doz.
	Photographic Developers without Accelerators	16/-	Doz.
	Photographic Accelerators without Developers	10/6	Doz.
*The prices for 'TABLOID' Quinine Sulphate are the same as for the Bisulphate.			

TRADE MARK		Per Dozen	
		25's	100's
	'SOLOID' BRAND		
	Naso-Pharyngeal Co.	18/-	58/-
	Quinine Bisulphate, gr. 4.37 . . .	30/-	—
	Silver Nitrate, gr. 1	12/-	—
	Silver Nitrate, gr. 5	36/-	—
	Zinc Permanganate, gr. 1/8	—	27/-
	'ENULE' BRAND		
	Santonin, gr. 3, boxes of 12, . . .	108/-	Per Doz.



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PADS.
CAPSULES.

NOSTRONES.
COMPRESSED TABLETS.
AMULETS.
POT POURRI (CINET'S)
JAPADUMS (CINET'S).
TOILET SOAPS.
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Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 20s., franco.

Il prezzo dell'abbonamento annuo è di 20 sc. franco, e s'intende per un numero settimanale del periodico, ed un esemplare del diario annuale. Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 20ch., franco.

Terms for Advertising may be obtained on application to the Publisher.

HEAD OFFICE: 42 CANNON STREET, LONDON, E.C. 4.
Telegrams: "Chemicus, Cannon, London." Telephone: Central 3617 (three lines).

BRANCH OFFICES: { 49 County Buildings, Old Millgate, MANCHESTER.
MELBOURNE and SYDNEY, AUSTRALIA.

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AI NOSTRI LETTORI ITALIANI.

Il rilevante rialzo nel cambio italiano è cosa molto gradita, quale manifesto segno d'un incremento dell'esportazione del regno, dimostrando i recenti progressi fatti per ristabilire le condizioni normali del commercio. Per più d'un secolo le relazioni commerciali tra l'Italia e la Gran Bretagna riflettono i cordiali rapporti esistendo fra i due paesi. Prima della guerra, la Gran Bretagna esportava in Italia merci del valore complessivo annuale di £70,000,000, e riceveva in cambio dall'Italia dei prodotti nazionali ammontando a £50,000,000. Il problema attuale è di ristabilire questo cambio, tanto importante per i due paesi, e noi nella Gran Bretagna speriamo che nell'avvenire si avrà un maggiore sviluppo del commercio italo-britannico.

L'Italia ci fornisce in grande quantità un gran numero di droghe e di prodotti chimici, fra i quali si trovano: Acido Citrico, Acido Tannico, Acido Tartarico, Bacche di Ginepro, Borace, Cremor Tartaro, Succo di Liquirizia, Manna, Mercurio, Olio d'Olive, Olio di Ricino, Rizoma d'Iride, Solfo, Essenze di Bergamotto, d'Arancio, di Limone, ecc., le quali godono d'una fama mondiale sotto la designazione di "Messina Essences."

I rapporti commerciali tra i nostri due paesi sono suscettibili d'un maggiore sviluppo, e siccome Londra è riconosciuto essere il mercato mondiale per le droghe e le essenze, tutti i mercanti in questi articoli si rivolgono alla Parte Commerciale del THE CHEMIST AND DRUGGIST per le ultime informazioni autorevoli sui prezzi mondiali. Una sezione speciale della Parte Commerciale è riservata ogni settimana al movimento delle essenze, e nella cronaca professionale nel testo vengono pubblicate regolarmente delle notizie sui principali avvenimenti nella farmacia e nell'industria chimica italiana.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Protecting Key Industries.

The Board of Trade has issued a declaration under Section 11 (1) of the Aliens Restriction (Amendment) Act, 1919, that (1) the manufacture of synthetic organic dyestuffs, colours, and colouring matters; (2) the manufacture of organic intermediate products used in the manufacture of synthetic organic dyestuffs, colours, or colouring matters are industries within the meaning of the Act. Former enemy aliens are not allowed to acquire any interest in the above industries within three years of the passing of the Act.

Apothecaries' Assistants By-law.

The following list of persons admitted to the Register of Chemists and Druggists under Section 4 (b) of the Poisons and Pharmacy Act, 1908, at the Council-meeting of the Pharmaceutical Society held on April 6 had not been received when we last went to press:

Bolle, Eva B. E., London	Meggesson, W. E., Birmingham
Brackenbury, Alice, Ryde	
Hasen-Clever, Bertha H., London	Petchey, G., Dover
Hoare, Ellen L., London	Rich, M. J., Crowthorne

Philip's "Standard" Retail Price List.

The following are among the alterations in the current issue of Philip's "Standard" Retail Price List:

Drugs.—Ac. acetylsal. pulv., 7d. oz.; ac. boric. pulv., No. 1, 2d. oz.; ac. carbol. liq., 3d. oz.; ac. oxal. coml., 2½d. oz.; ac. tart. pulv., 3½d. oz.; amyl. pulv. (rice), 1½d. oz.; bismuth. carb., 1s. 5d. oz.; borax pulv. opt., 1½d. oz.; camphor. flor., 9d. oz. (tablets, ¼-oz., 2½d. each); cera alb. plac., 4d. oz.; cera flav. exot., 3½d. oz.; crem. tart. pulv., 3d. oz.; ess. anisi, 1 in 10, 1s. 9d. oz.; ess. menth. pip., 1 in 10, 2s. 4d. oz.; formaldehyd. liq., 3d. oz.; hydrarg. ammon. pulv., 1s. 1d. oz.; hydrarg. c. cret., 4½d. oz.; hyd. perox., 20 vol., 3½d. oz.; lini sem. cont. opt., 1d. oz.; lin. camph. ammon. meth., 3½d. oz.; magnes. sulph., No. 3, 6d. lb.; menthol, 4s. oz.; naphthal. glob., 1½d. oz.; ol. amygd. pers. Ang., 5d. oz.; ol. caryoph., 1s. 3d. oz.; ol. jump. lig., 9d. oz.; ol. olive sub., 3½d. oz.; ol. ricini, No. 1, 2d. oz.; plumb. acet. pur. pulv., 3½d. oz.; pot. bicarb., 2½d. oz.; pot. permang., 4½d. oz.; pulv. glycyrrh. co., 2½d. oz.; santalin., gr. 2, 4d.; tinct. camph. co., 5d. oz.; tragacanth. pulv., No. 2, 2s. 2d. oz.; ung. hyd. ammon., 5d. oz.; ung. sulph., 3d. oz.; ung. zinci, 3d. oz.; zingib. pulv., No. 2, 1½d. oz. *Goods Sold by Pint*, etc.—Ol. lini, 1s. 2d. pt.; ol. morrhue opt., 2s. pt.; ol. olive (fine), 3s. 6d. pt.; ol. ricini (cattle), 1s. 6d. pt.; ol. tereb., 1s. 5d. pt.; sp. vin. meth., 1s. 4d. pt. *Packed Goods*.—Blaud's pills, 144, pearl-coated, 1s. 7d.; castor oil, 1-oz. bot., 6½d., 3-oz. bot., 9½d.; chemical food, 3-oz. bot., 11½d., 6-oz. bot., 1s. 5d.; cod-liver oil, 4-oz. bot., 1s. 1d., 8-oz. bot., 1s. 8d.; waterglass, 1 lb., 10d., 4 lb., 2s. 0½d.

House-organs.

"Christy's Monthly" (Thomas Christy & Co., London, E.C. 4), a copy of which the firm has endeavoured to post to every pharmacist in the country, draws attention to a number of reductions in the prices of packed goods, and in particular to a tooth-paste of pre-war standard and a cachet apparatus. All the information is comprised in four clearly printed pages.

"Glaxo Service Bulletin" (Glaxo, London, W. 1) well maintains the variety of its articles, advertising and salesmanship predominating among the topics of the current issue. Ways of alleviating the unemployment in the ranks of qualified pharmacists are suggested in "Absorbing the Surplus," by Mr. Thomas Marns, who considers that most chemists' businesses are capable of development. "Andrew Crewdson" contributes a page on "Employer and Employee."

B B

Contracts.

The following tenders have been accepted by the bodies named:

Chester-le-Street Guardians.—Mr. G. A. Penrith, chemist and druggist, drugs.

Whitby Town Council.—Mr. W. Ruff, chemist and druggist, and Mason's Drug Stores, Ltd., sundries.

Poisonings.

The following cases of fatal poisoning have been recorded since our last report:

At Bethnal Green, London, E., Mary Ann Rogers committed suicide by taking spirit of salt.

At Streatham, London, S.W., a domestic servant named Rowe committed suicide by drinking a disinfectant fluid, stated to be lysol, while of unsound mind.

An inquest was concluded in Central London, on April 11, on the body of Mr. Lawrence Drew Shaw, D.S.O., M.B., who died on March 17 (*C. & D.*, March 26, p. 63). Mr. J. Webster, senior analyst to the Home Office, stated that in the stomach he found $10\frac{1}{2}$ gr. of morphine, in the liver 2 gr., in the kidneys $\frac{1}{2}$ gr., and a trace in the urine. Dr. B. H. Spilsbury stated that death was due to poisoning by morphine, the minimum fatal dose of which was about 1 gr. A dispenser at the Lock Hospital deposed that a bottle found in the deceased's pocket was kept in the poison cupboard in the hospital dispensary. A verdict of "Suicide" was recorded.

Birmingham.

Yet another firm of artificial-limb makers has arisen in our midst—Cooke & Murray, King Alfred's Place.

The sale of artificial manures is being pushed by local drysalers. Samples of the various ingredients used are to be seen in a number of windows.

A winchester quart of solution of ammonia (about half the B.P. strength) now forms part of the equipment of at least one window-cleaner in the city.

Expansion of one retail business in the neighbourhood has taken the form of transforming the corridor into a bacteriological laboratory, which is presided over by a well-known pharmacist.

The President of the Birmingham Pharmaceutical Association and Mrs. Atkinson are projecting an "American tea and garden party" at their residence, in aid of the Pharmaceutical Society's Benevolent Fund.

Mr. H. H. Marshall, chemist and druggist, Moseley, who has held office as churchwarden at St. Agnes's during the past three years, was congratulated at the recent Easter vestry on his financial statement, which, the vicar remarked, evidenced life, energy, and progress.

Among the exhibitors at the National Trades and Industrial Exhibition at Bingley Hall are Alfred Bird & Sons, Ltd., Cadbury Bros., Ltd., Mr. G. S. Galloway, Hedges (Chemists), Ltd., Horlick's Malted Milk Co., A. S. Price & Co., Ltd., and Thew, Hooker & Gilbey, Ltd.

Standley Belcher & Mason, Ltd., chemical and scientific instrument manufacturers, have sent the following message to the Prime Minister in reference to the proposed duty on scientific glassware in the Safeguarding of Industries Bill: "Suggested import-duty on scientific glassware useless. We must close works unless prohibition. Germany will kill the industry unless prohibition, except under licence. Have you forgotten that steel . . . and all other industries could not in 1914 and 1915 make material without scientific glassware? What will the next generation say, if you let them down?"

Leicester.

The final football match for the Thursday cup (Pharmacy v. 17th Regimental Depot), played on the Filbert Street ground on April 7, resulted in a draw, each side scoring twice. Standley and Herrick obtained the goals for Pharmacy, who were thus leading 2—nil at half-time. The chemists throughout played the better football, and had they made the most of their opportunities would have easily won.

The decision of the judges to give reports to each entrant in the "Leicestershire Pharmacists' Window-display Competition" should induce chemists to enter

as many displays as possible in the competition, which ends on June 30. The criticism will be found valuable, and should lead to improved displays in the future.—Competition for the prizes offered for the three best window-displays of De Witt's Pills was keen, only a few marks separating the first six or seven competitors. Two of the local experts, who had not entered for the competition, were deputed to judge the windows.

Liverpool.

The "general workers" of Lever Brothers, Ltd., Port Sunlight, have, through their union, agreed to a wages reduction. Adult males will receive 6s. less weekly, and females 4s. The original proposal was for a 12s. reduction.

Mr. J. G. Wallbridge, F.S.M.C., 227 Kensington, has been appointed vicar's warden of St. Barnabas' Church, Mossley Hill.

The Merseyside and Southport pharmaceutical Freemasons have been invited by the Manchester Pharmacists' Masonic Association to hold a joint picnic in the summer.

Mr. Edwin Brown, who lately sold his pharmacy in Brownlow Hill and retired to North Wales, largely for the sake of the health of a daughter remaining at home, has to mourn her death.

The coal stoppage has caused an ugly check to many businesses. A large factory, for example, which is in course of extension, will have to close down for a month. Two other factories soon to be opened will have to postpone the date of commencing work.

The secretary of the Liverpool Chemists' Association (Mr. J. L. Hirst) has this week sent Sir William Glynn-Jones a cheque for 126*l.*, the proceeds (with additions) of the collection at the recent smoking concert for the Benevolent Fund of the Pharmaceutical Society.

Manchester.

Professor Einstein, of "relativity" fame, has accepted an invitation to give a lecture at Manchester University during his forthcoming visit to England.

An offer of 60,000*l.* for the Gaiety Theatre, lately the property of Miss Horniman, has been made to the purchasers by a group of Manchester men, including Sir William Veno, with a view of saving the theatre from its threatened fate of conversion into a "super-cinema." It may be remembered that Miss Horniman's productions of plays, depending for their interest on ideas rather than on accessories, have been a feature of the intellectual life of Manchester for several years.

On April 4 the pharmacy students of Manchester University paid a visit to the laboratories and mills of James Woolley, Sons & Co., Ltd. The party was conducted by Mr. J. H. Franklin, Ph.C., and his assistants, Messrs. Walker and Walmsley, to whom the visitors are much indebted for their kindness and courtesy. The drug-mills were first visited, and there it was remarked how the slow but efficient grinding of the huge chaser mill contrasted with the more noisy and bustling method of the disintegrator. Exhaustion was illustrated by percolation and repercolation processes, and by the recovery of alcohol from marcs. Bird's special still was shown and its working explained. Methods of clarification and filtration were illustrated by the filtration of oils under pressure and by the very efficient Seitz filter. The apparatus and operations involved in compounding ointments, pills (including gelatin- and sugar-coating), tablets, emulsions, etc., were shown and explained, after which the party was provided with tea at the neighbouring ice palace to the accompaniment of music and ice-skating. The thanks of the party are due to Messrs. Woolley for having provided a most enjoyable and instructive outing.

Sheffield.

An outbreak of fire at the premises of G. B. Owen, Ltd., wholesale druggists, Malting Lane, recently, caused damage to the extent of 2,000*l.*

A meeting of the representatives of the Panel and Pharmaceutical Committees is to take place shortly, when it is hoped to make some arrangement for dealing with slight omissions from prescriptions.

Soap (in bars) and other cleansing materials form a prominent feature of a window-display by Boots, Ltd., reminding the older chemists of the company's methods of thirty years ago.

The Royal Infirmary has had a serious loss: its supply of radium, valued at several hundred pounds, is missing. Dr. Lazarus-Barlow, Middlesex Hospital, London, has been appointed assessor as to its value for insurance purposes. The stock of radium is stored at the Sheffield University, where it is prepared for medicinal purposes.

Miscellaneous.

EXPIRY OF THE PROFITEERING ACT.—The Board of Trade has issued a notice announcing that the Profiteering Act expires on May 19, and that Local Committees will cease to exist at midnight on that date.

CENSUS OF PRODUCTION.—It is announced that, in view of the urgent need for economy, the Government has decided not to proceed with the census of production, of which notice was given by the Board of Trade in 1919. A census in 1923 in respect of production during the year 1922 is in contemplation.

INSTITUTE OF PHYSICS.—The meeting to inaugurate the Institute of Physics will be held on April 27 at 6 P.M., in the hall of the Institution of Civil Engineers, Great George Street, Westminster, S.W. Sir Richard Glazebrook, K.C.B. (President), will take the chair, and Sir Joseph Thomson, O.M., will deliver an address. Tickets of admission may be obtained on application to the secretary, 10 Essex Street, Strand, W.C. 2.

IN THE COURTS.—At Blackburn Quarter Sessions, on April 7, three youths named Grady, Starkie, and Melia were committed to a Borstal institution for varying periods on a charge of breaking into the warehouse of Cupal, Ltd., wholesale chemists, and stealing drugs and other articles.—At Lambeth Police Court, London, on April 9, Andrew Allen, described as a skin specialist, was committed for trial on charges of performing, and conspiring to perform, illegal operations (*C. & D.*, April 9, p. 35).

RAID ON A LONDON SHOP.—On the afternoon of April 9 five men entered the branch of Parke's Drug Stores, Ltd., at 83 High Street South, East Ham, E. 6, and one of them, pointing a revolver at the manager, Mr. F. C. Kelly, chemist and druggist, ordered him to put his hands up. His watch, chain, and purse were taken, and the till was rifled. From the cellar, where he was sent by the gang, Mr. Kelly managed to escape into the street and raised the alarm. A description of the wanted men has been issued by the police.

INQUEST.—The Central London coroner held an inquest, on April 8, on the body of Philip James Wallis, lately residing in Camberwell, S.E. The evidence showed that on April 6, while working in the course of his employment in the warehouse of George Curling, Wyman & Co. (branch of The British Drug Houses, Ltd.), Bunhill Row, E.C. 1, the deceased complained of heart trouble, and was subsequently found lying dead. A medical witness stated that death was due to syncope from congestion of the lungs, and a verdict was recorded correspondingly.

COMMERCIAL TRAVELLERS' BENEFIT SOCIETY.—The nineteenth annual conference of the United Kingdom Commercial Travellers' Benefit Society was held at Southport recently. The membership is now 5,416, and the subscription income 39,899*l.* Sickness benefit to the amount of 6,382*l.* was paid out in 1920, and the sum of 77,840*l.* was advanced during the year to members on mortgage for the purchase of their houses. The Society, being founded on the Holloway system of friendly societies, declared an apportionment of 1*l.* 10*s.* per share, this being a record for this or any other similar society. Members' accumulations amount to 300,000*l.*, which stands to their credit at 5½ per cent., withdrawable at the age of sixty-five. Mr. H. W. Harrie (C. R. Harker, Stagg & Morgan, Ltd.) was elected on the committee of management, and was afterwards made chairman of the London office committee.

Irish News.

Brevities.

At the annual meeting of the Select Vestry of Bangor parish church, Mr. J. S. Balmer, Ph.C., was appointed a sidesman.

Mr. S. Thorp, Irish representative for James F. Wilkinson, Pendleton, Manchester, has been operated upon for appendicitis at the Royal Victoria Hospital, Belfast. He is now at home and is convalescent.

Mr. John Hawthorne, Belfast, is acting as temporary public analyst for Down County Council. Mr. Fagan has been appointed analyst to the Trim Board of Guardians. Dr. Kennedy is acting as temporary analyst to the Waterford Corporation.

Belfast.

Mr. Wm. McMullan (Thos. McMullan & Co., wholesale druggists) was elected President of the Chamber of Commerce for the ensuing year, in succession to the Marquis of Londonderry.—At the annual meeting of the Belfast Chamber of Commerce, on April 8, Mr. Samuel Gibson, J.P., representative of the Chemists' and Druggists' Society of Ireland, protested vigorously against a paragraph in the report which he thought misleading. The linen trade, he said, got a large paragraph, and they were told of the vicissitudes it had come through; but the trade with which he was connected was dealt with in a small paragraph, which stated, "The minor industries have been steadily engaged, and the distributing trade has been energetically maintained." One would think, from reading that paragraph, that there had not been such a thing as a boycott of Belfast goods during the past year. In the South and West of Ireland their goods were refused, and the boycott had extended to the wholesale grocers who distributed through other counties, with the result that they had had to take their travellers off those districts and refuse to deliver goods to their customers there. The result has been a great diminution in the distributing trade from Belfast, and his society considers that the Chamber of Commerce should not ignore this matter, because, if relief were necessary, the society would apply to the Belfast Chamber of Commerce. Many believe that when the new Parliament is established there will be a perpetual boycott of Belfast in the South of Ireland. Travellers have been threatened and their motors destroyed. Goods have been taken out of the trains and burned. Mr. Gibson then asked the Council to reconsider that paragraph, but the secretary maintained that the statement in the report was correct, and the report was passed.

Dublin.

In the Northern Police Court on April 7, Michael J. Foley, Ph.C., 136 Parnell Street, was summoned for refusing to sell to William J. Tannam, Corporation inspector, a shilling's worth of zinc ointment. Mr. Tannam stated that on February 17 he visited the defendant's shop and asked for 1*s.* worth of zinc ointment. Mr. Foley said he had none, but that he would make it for him. He brought it to witness, and while holding it in his hand he asked witness what he wanted it for. The inspector produced a two-shilling piece, told him who he was, and said that he wanted it for analysis by the public analyst. Foley said "Wait until I label it." He stepped back into the compounding-room, and witness on following him found he had taken some of the ointment from the box and had placed it on the mixing slab. Witness demanded it again, and Foley procured a tin box marked "Zinc Ointment," and taking some of its contents proceeded to work it into the ointment he was at first prepared to supply to the witness. Witness told him that he would prosecute him, and left without taking the new mixture. Mr. Foley stated that he asked the gentleman what he required the ointment for, the reason being that the ointment is used for veterinary purposes and human purposes. The ointment was not made at all at the time. There was no oxide of zinc in it. An assistant was also examined, and stated that the oxide of zinc had been put on the lard before Mr. Foley came out to inquire what the ointment

was required for, but that it was not mixed. Mr. Lupton said he regarded a refusal to sell as a bad offence, and he imposed a fine of 10/.

Drugs and Surgical Appliances Contracts.

The following additional tenders have been accepted by Irish Boards of Guardians (see also *C. & D.*, April 9, p. 36) :

Union	Medicines	Appliances
Antrim ...	Sumner & Co., Ltd., Liverpool ...	Fannin & Co., Ltd., Dub- lin ...
Corofin ...	Boileau & Boyd, Ltd., Dublin	Fielding's ... Pharmacy, Cork ...
Downpatrick ...	Do. 22½%	Fannin & Co., Ltd., Dub- lin, 21½%
Ennis ...	Do. 15%	Boileau & Boyd, Ltd., Dublin ... 15%
Navan ...	Do. 15½%	Do. 16½%
Sligo ...	—	Fannin & Co., Ltd., 17½%
Trim ...	Boileau & Boyd, Ltd., Dublin 15½%	Boileau & Boyd, Ltd., Dublin ... 15½%

Boileau & Boyd, Ltd., and the Sligo Drug Co., Ltd., tendered for the supply of medicines to the Sligo Board of Guardians. The consideration of the matter was deferred for a week. The secretary of the General Council of Irish County Councils has written to the Carrickmacross Guardians stating that an arrangement was about to be entered into with a firm which would allow a discount of 20 per cent. on medicines and appliances. The Board accordingly decided not to accept tenders for these supplies for the present. A similar letter has been received from the Clonmel Board of Guardians, and in the event of the Guardians having accepted a tender they should postpone the execution of the bond. The clerk said the tenders had been accepted and the bonds signed. The difference would be about 6/ a year.

Scottish News.

Edinburgh.

It is proposed to raise the day college and evening class fees at the Heriot-Watt College by approximately 50 per cent. over pre-war figures.

Dr. James Ritchie, assistant keeper, has been appointed keeper of the Natural History Department in the Royal Scottish Museum, in succession to Dr. Eagle Clark.

When a man, named George Davidson, was charged in the Sheriff Court on April 11 in connection with a series of frauds it was stated that he had posed as a doctor in the Edinburgh Royal Infirmary. He was sentenced to sixty days imprisonment.

Glasgow.

Among the interesting exhibits at the Grocers', Bakers' and Confectioners' Exhibition in the Kelvin Hall is that of W. B. Cartwright, Ltd., manufacturing chemists, Rawdon, Leeds, which includes eight model windows, dressed on the most modern lines. There are also examples of counter-fixtures and show-case displays.

Glasgow Pharmacy Club held the final whist-drive of the season at 165 Hill Street, Charing Cross, on April 5, Mr. W. Wood Wilson presiding. The prizes, which were presented by Mrs. George Grierson, were won by the following: *Ladies*—(1) Mrs. MacGillivray; (2) Mrs. Macadam. *Gentlemen*—(1) Mr. D. Weir; (2) Mr. J. Robertson. A concert, in which Mrs. Lawson, Messrs. R. Dickson, Alfred Gracie, and Miss Beatson (pianist) took part, brought an enjoyable evening to a close. The annual general meeting will be held on April 29.

It was stated at the annual dinner of the London Mineral Water Trade Association and Protection Society, held on April 7, that the time had not yet arrived for reducing prices.

French News.

(From the "C. & D." Paris Correspondent.)

MONUMENT TO PHARMACIST MARTYR.—The Lille Pharmacists' Association (Syndicat Régional des Pharmaciens du Nord de la France, 28 rue des Pontes-de-Commines, Lille) has decided to raise a monument to the memory of M. Joseph Willot, pharmacist at Roubaix during the German occupation and a "victim of Boche barbarity," and has issued an appeal for funds.

PROFESSOR BORDIER, LYONS, spoke at the recent meeting of the Academy of Medicine on the dangers of the manipulation of radium. The action of this substance, he explained, which tends to destroy the marrow of the bones and diminishes the red corpuscles of the blood, is really more dangerous than that of the x-rays. He suggested that the Academy should take up the matter at once, and a committee of five has been appointed to make investigations.

THE REQUIRED DECLARATION of the amount of turnover for the new tax, *impôt sur le chiffre d'affaires*, raises numerous doubts as to what should be included. For instance, should a pharmacist include fees received for analyses? The General Association has questioned numerous officials, who seem unanimous in giving a negative reply. The Association therefore advises pharmacists not to include this item. It is presumed that the Association will fight the case if members happen to be prosecuted for a false declaration.

A NEW COURSE OF BACTERIOLOGICAL laboratory work, only open to qualified pharmacists desirous of bringing themselves up to date in modern microbiological methods, opens on May 20 at the Paris Faculty of Pharmacy. Professor Radais is in charge of this course, to which will be added a few practical demonstrations of parasitology (identification and tracing of protozoary parasites of the blood and digestive tract, etc.). The hours are from 1.30 to 6 P.M. (daily, except Saturdays and Sundays), and the fee 150 fr. for the course.

CAUSE AND EFFECT.—Certain rival "commercial" pharmacies (as the large multiple-shop concerns are termed in France) are addressing the public on falling prices by means of huge displayed advertisements in daily papers. One explains that, thanks to its individual efforts, the public is securing a reduction of 5 fr. per lb. on lozenges, etc., 30 fr. per litre on camphorated alcohol, 7.50 fr. on tonic wines, and 50 per cent. on the price of most medicaments. The other ascribes the reduction in prices to the lower cost of sugar and coal, and the free packing and carriage now granted by many wholesale firms; and that on medicated wines to the abolition of special war conditions, which have, it states, effected a saving of 40 per cent. in purchase prices. As to camphorated alcohol, the alcohol is the same price, but camphor costs about one-fifth what it did six months ago. The "man in the street," however, is probably more interested in the fall itself than in its causes.

THE EIGHT HOURS ACT has not yet been extended to pharmacy, but a draft measure was forwarded some time ago to the General Association of French Pharmacists by the Labour Minister. This document proposed eight hours' "effective" work as a first principle, but gave the alternative of nine-hour days if a "Saturday half-holiday" were given, with overtime in certain cases. A Committee of Pharmacists, at an interview with the Minister, was requested to submit suggestions, and, after consideration by the Administrative Council, the Association pointed out to the Minister the wide gulf which separated the pharmaceutical profession from other businesses, quoting the need for the immediate supply of urgent medicaments, and mentioning the number of small businesses where the employee lived as one of the family. The puzzle of what constituted "effective work" was discussed at length, and the pharmacists proposed that nine-and-a-half hours' "presence" in a pharmacy should be accepted by the Minister as the equivalent of eight hours' "effective work."

Italian News.

THE CENTRAL INSPECTION OF MINES has issued an estimate of the minerals extracted throughout Italy during the past year, from which the following figures are quoted. From mines within the former limits of the kingdom: Iron ores, 423,300 tons; manganese ores, 29,140 tons; copper ores, 6,360 tons; lead ores, 34,425 tons; zinc ores, 73,180 tons; silver ores, 500 tons; antimony ores, 125 tons; metallic mercury, 800 tons; ichthyol deposits, 270 tons; crude sulphur, 258,000 tons; milled mineral sulphur, 35,000 tons; graphite, 4,190 tons. From mines situated in the new provinces: Lead minerals, 1,900 tons; zinc minerals, 24,910 tons; iron pyrites, 1,550 tons; metallic mercury, 525 tons; and ichthyol deposits, 225 tons.

ESSENTIAL OILS MARKET.—"L'Imparziale," a republican journal published in Messina, quotes, in its issue of March 26, the comments of THE CHEMIST AND DRUGGIST, March 12, regarding the position of lemon oil following the establishment of a co-operative organisation. It prefaces our remarks with the following:

The market in essential oils is in a state of depression. Why? It is said that the depression is due to the world-wide crisis, and that it is necessary to reduce still further the prices for oil of lemon and for other essential oils if the export trade is to be developed. None of us would be willing to lay out large sums for the purchase of goods which are likely to decline in value. This reluctance is largely attributable to the action of those persons who offer oil of lemon at constantly lower prices, thereby giving rise to the suspicion that the decline will continue. That in commercial circles in London there is a tendency to favour an improvement in prices, independently of the co-operative organisation, is apparent from an article which appeared in THE CHEMIST AND DRUGGIST, London (No. 2,146, of March 12). This authoritative journal is already convinced of this fact, and reminds consumers that the favourable conditions which they have enjoyed in consequence of the very low prices are about to be modified, and therefore the signs point to an advance.

ITALIAN DANGEROUS DRUGS REGULATIONS.—According to a Bill presented to the Italian Parliament to suppress the illegal sale of dangerous drugs, the sale and supply to the public by persons not authorised to deal in medicinal products of cocaine, morphine, their compounds or derivatives, and also of all toxic substances which, in small doses, possess a stupefying action, makes the person so doing liable to imprisonment for one to three months, with a fine of 1,000 to 2,000 lire. Should the transgressor have made use of his profession or trade to facilitate the commission of an offence, in addition to the above penalties he may be deprived of the right to pursue his calling. The same penalties will be incurred by manufacturers, agents, and dealers in chemical and pharmaceutical products on supplying substances coming within the scope of this measure to persons not duly authorised to acquire the same for professional purposes or for scientific uses. The third article of this Bill provides that "Whosoever being authorised to sell to the public medicinal products in the form of medicaments, should supply any of the substances to which this law applies not in accordance with a medical man's prescription, or in an amount exceeding that stated on the prescription, will be punished by imprisonment ranging from two to four months, and a fine of 1,500 to 3,000 lire. In the case of a renewed offence the term of imprisonment will be from three to six months and the fine from 2,500 to 5,000 lire, in addition to being suspended from the exercise of his profession for a period not exceeding one month." Medical prescriptions calling for any of these narcotics must indicate clearly the name and address of the patient. Pharmacists who supply the said drugs on a prescription not containing the foregoing information will be liable to a fine of 300 to 1,000 lire. In the case of a person being condemned for an offence against the provisions of this law, the entire verdict, or an abstract, shall be published in one of the most widely circulated daily papers of the place in which the offence was committed, and which shall be named in the verdict, at the expense of the transgressor.

Colonial and Foreign News.

NEW JAPANESE AMALGAMATION.—During the war substitutes for salvarsan were manufactured by three Japanese firms, whose products were issued under the following names: "Arsaminol" (Sankyo Kaisha), "Arsemin" (Daichi Seiyaku Kaisha), and "Ehramisol" or "Tanvarsan" (Goto-Fu-Unde). To meet foreign, and particularly German, competition, the three firms propose to amalgamate.

UNEMPLOYMENT IN AUSTRIA.—The large number of pharmaceutical assistants without employment in Austria has caused considerable anxiety to members of the profession, and has resulted in the formation, by order of the Austrian Government, of a special board of arbitrators, representing owners and assistants. The duties of the new board will be to investigate whether there is a possibility of employing a larger number of assistants in each pharmacy. In cases of dismissal, the board will decide whether the vacant place should be filled.

DRUGS AND CHEMICALS IN GREECE.—The market is overstocked with general drugs and chemicals, but there is a good demand for specialities, says the Commercial Secretary of H.M. Legation at Athens. The Germans are again making strenuous efforts to recapture the trade, offering every kind of facility, such as c.i.f. quotations Piræus, long credits, etc. They are re-establishing their pre-war agencies, sending out tempting catalogues and price lists, and offering chemicals in marks, and specialities in Swiss francs. An exceptionally healthy summer and an unusual freedom from malaria left a heavy stock of quinine on the market.

SPECIALITIES IN CZECHO-SLOVAKIA.—The Government has recently issued a new decree concerning the sale of pharmaceutical specialities in the new republic. All specialities not manufactured within the State are regarded as foreign products, and to obtain permission to import and sell these the following requirements must be complied with. The importer or agent, who must be a qualified pharmacist, is responsible for the observance of all laws concerning these preparations, and must submit to the authorities a certified declaration giving the exact composition of each speciality, together with two original packages. The name of the agent must appear on the label, and he is also required to submit a signed statement, assuming responsibility for the strict observance of all the regulations affecting the sale of pharmaceutical specialities in the republic. For those preparations which were allowed to be imported and sold in the territory of the republic by permission granted by the former Austrian, or Hungarian, Governments, the necessary declarations have to be submitted by March 31, 1921, and if not complied with, the sale of such preparations will be forbidden from that date.

WORLD'S PRODUCTION OF MERCURY.—Prior to the war Spain was the chief source of supply in Europe of mercury, the mines of Almaden yielding an annual average output of 1,500 tons of this metal. Italy followed with about 1,000 tons, mostly obtained from the works of Monte Amiata. The production of Austria-Hungary amounted to 855 tons, of which 90 per cent. was derived from the mines of Idria, which have now passed into Italian possession. Outside Europe, the mines of California and Texas supplied, in 1913, 714 tons, while Mexico contributed about 150 tons. The mines of Idria are probably one of the oldest sources of mercury, having been regularly worked since 1525, and it has been calculated, based on the records, that by the end of 1895 a total of 58,000 tons of mercury had been extracted. At the close of the year 1913, the world's total production of mercury aggregated 4,200 tons, derived from the following sources: Spain, 35.5 per cent.; Italy, 23.5 per cent.; Austria, 20.4 per cent.; United States, 17 per cent.; Mexico, 3.6 per cent. With the acquisition by Italy of the mines of Idria, that country now occupies the first place, with over 40 per cent. contribution to the world's total output of mercury.

Legal Reports.

Suggested Lever Combine.—In the Chancery Court, on April 7, the matter of the abandoned fusion between Lever Bros., Ltd., and the African and Eastern Trading Corporation was mentioned. Mr. H. P. Glover, for the Corporation, said the petition in favour of amalgamation of the two bodies was presented in December last. This week the directors of the Corporation had issued a circular to shareholders suggesting that the scheme should not be proceeded with, in view of the fact that the profound collapse throughout the commercial world had caused an unprecedented fall in prices. Counsel asked that the hearing of the petition should be postponed until after the shareholders' meeting next week. Mr. H. Mather, who said he appeared for shareholders representing 270,000%, who had all along opposed fusion, welcomed the changed attitude of the management. The Vice-Chancellor said the views of any section of shareholders could be fully considered before any proposal one way or the other was sanctioned by the Court. The hearing of the petition was adjourned to April 18.

Genatosan in India.—An important case was filed in Chambers before the Registrar of the Calcutta High Court on March 17. The suit had been instituted by Genatosan, Ltd., London, against J. A. Von Wulffing, of Berlin. It is alleged that the plaintiff company under the war legislation passed in England purchased the British business carried on by the defendant before the war, and that the whole of the business and goodwill then became and is still vested in the plaintiff company by virtue of an assignment executed by the Controller appointed by the Board of Trade on the defendants' behalf. It is further alleged that in spite of this assignment the defendant has commenced importing into India from Germany his own brands of sanatogen, formamint, and cystopurin, and an injunction is sought restraining the defendant, his servants or agents from so doing, as well as for damages sustained by the plaintiff company by reason of the alleged wrongful importations. It is understood that the case involves many important and international questions.

Claim for Goods.—In the Mayor's and City of London Court, on April 8, before his Honour Judge Jackson, the Pure Russian Liquid Paraffin Co., Ltd., 3 St. Helen's Place, sued Mr. W. B. Rodger, 76 Virginia Street, Glasgow, for 56 lb. "Jasmine" brand lanoline and four 10-gallon drums pure Russian liquid paraffin supplied, 10%, having been paid on account. The case was before the Court on February 24 (*C. & D.*, March 5, p. 51). Plaintiffs then applied for leave to serve the defendant, out of the jurisdiction, in Glasgow, under Order 7, Rule 21. Plaintiffs' solicitor said that they had filed an affidavit which showed that the defendant ordered the goods from the plaintiffs in the City of London. Plaintiffs delivered the goods carriage forward. Therefore the cause of action arose in the City, within the jurisdiction of the Court, as no other place had been agreed upon for payment. Defendant had written saying that he could not get in the accounts due to him, and that business was very bad. Judge Jackson granted the application to serve the defendant in Scotland. When the case again came before the Court Mr. Strouts said that the defendant had that morning paid the debt, 14*l.* 3*s.* 5*d.* Plaintiffs asked for costs, which were granted.

Salt-cake Dispute.—In the Mayor's and City of London Court, on April 8, before his Honour Judge Jackson, Mr. B. Rosen, on behalf of Bernard Rosen & Co., Ltd., general chemical merchants, 5 Harp Lane, E.C., sued Mr. James Spittle, trading as J. Spittle & Co., chemical merchants, 158 Aldersgate Street, E.C., for 100*l.* Plaintiffs' case was that by an agreement made in April 1920 defendant agreed that, in consideration of the plaintiffs introducing to the defendant G. F. Wyatt & Co., 143 Bethnal Green Road, for the purchase of approximately 300 tons of 86-per-cent. salt cake, he would pay to the plaintiffs 10*s.* a ton on completion of deliveries.

Mr. Bell, for the plaintiffs, said that salt cake was very difficult to get hold of last April, and defendant agreed to pay plaintiffs 10*s.* a ton commission if they could obtain 300 tons of it. Plaintiffs secured Wyatt's to sell the 300 tons to the defendant. Defendant's evidence, which had been taken on commission, was read, and he said he had never agreed to pay any commission to the plaintiffs. Wyatt's bought at 5*l.* 5*s.* a ton, but he could have sold at 9*l.* a ton had the cake been equal to the analysis. Wyatt's are now in liquidation. Mr. Drew, of Wyatt & Co., was called in support of the plaintiffs' case, but he said he only entered into a contract for 150 tons. The Judge held that Mr. Rosen had made out no case. He therefore non-suited him, and directed him to pay the costs.

Husband and Wife in Trade.—In the Mayor's and City of London Court, on April 12, Jackson, Hartley & Jackson, Ltd., trading as the Great Eastern Paper Co., 120 Middlesex Street, sued Mr. Reginald Bird, 3 Nicholson Road, Addiscombe, Croydon, for 9*l.* 9*s.* 7*d.* for grease-proof paper supplied to the London Chemical Co., of which he was said to be the proprietor. Mr. Harry Strouts, solicitor, appeared for the defendant. William Clover, plaintiffs' representative, said that the proprietor's name was put forward as "I. Bird." That turned out to be Ivy Bird. Mr. Strouts said that the order was given on behalf of the wife. Ernest J. Buttle, plaintiffs' traveller, said he took the order from the London Chemical Co., understanding that the husband was the proprietor. Bird promised him a cheque. Reginald Bird said he gave the order for his wife, who was the London Chemical Co. He signed for the goods as "R. Bird, manager." He told the plaintiffs he would arrange for a cheque to be sent by his wife. His wife and he were not partners. He had no salary from his wife, who had had ten years' experience of the chemical and pharmaceutical trades and was manufacturing products and selling them. Judge Jackson said that the money ought to be paid, but he feared the plaintiffs had sued the wrong defendant. He would join the wife as a co-defendant, and adjourned the case for that purpose in the hope that the money would be paid before the case came on.

Profiteering Act Case. At Tower Bridge Police Court, London, recently, Henry Midwinter (trading as H. Midwinter & Co.), Southwark Park Road, S.E. 16, was summoned for having sold 2 cwt. of soda crystals at 10*s.* per cwt., yielding an unreasonable profit. Mr. S. G. Stubbs, investigation officer in the complaints department of the Board of Trade, giving evidence, said that the rate of profit considered reasonable by the Board of Trade was something under 10 per cent. on returns and 12½ per cent. on cost on wholesale sales. In this case the rate of profit was 66 per cent. on cost. The Board of Trade took no proceedings unless the rate of profit exceeded 20 per cent., except in special circumstances. A rate of 20*s.* a ton had been allowed for carriage. Cross-examined, witness said it was not usual in such cases to give the defendant any opportunity to make explanation. If a flat rate had been adopted in respect to transport charges, the charges would have to be divided up. This would be a dangerous principle, as it would mean balancing up at the expense of one customer as against another. The Magistrate: Apparently, defendant was charged with this offence, no matter what he had to say about it. It seems extraordinary to me. You ask for particulars on September 10, and get them by return, on September 11, from defendant; and then I see, by referring to your letter, that you "thank him for his courtesy and promptitude," and say he will hear further from you in the matter, if necessary. He hears nothing for six months, and then you send him the present summons. Re-examined, witness said the Committee had statutory powers under the Profiteering Act to ask people to produce invoices. These proceedings were taken under Section 2 of the Act by the Board of Trade on its own initiative. The Committee had investigated well over 100 cases before it had fixed the rate of profit. In the sales of brokers, evidence showed the rate of profit to have been under 12½ per cent. in cases of legitimate dealing. After a lengthy hearing the summons was dismissed, costs, however, being refused.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

UNITED LABORATORIES AND CHEMICAL CO., LTD. (P.C.).—Capital, 1,000*l.* Objects : To carry on the business indicated by the title. R.O. : 97 Queen Victoria Street, London, E.C.

RICHARD NAYLOR, LTD. (P.C.).—Capital, 3,000*l.* Objects : To take over the business of a chemical and general merchant carried on by R. Naylor at 35 Brown Street, Manchester, as "Richard Naylor." R.O. : 35 Brown Street, Manchester.

H. M. S. SOAP CO., LTD. (P.C.).—Capital, 1,000*l.* Objects : To carry on the business of manufacturers, importers and exporters of and dealers in all kinds of toilet and other soaps, toilet, emollient, medicinal, and other compounds, face-creams, etc. R.O. : Boston Buildings, James Street, Cardiff.

ZINC OXIDE, LTD. (P.C.).—Capital, 12,000*l.* Objects : To carry on the business of manufacturers of chemicals, manufacturers of and dealers in zinc oxide or compounds thereof, chemical products, etc., and to adopt an agreement with J. W. Bailey, H. Simm, W. V. Lyon, and C. C. Spalding. R.O. : Station Road, Hayes.

"THORACICOSE," LTD. (P.C.).—Capital, 7,000*l.* Objects : To adopt an agreement with G. James for the acquisition of the trade-mark "Thoracicose," and to carry on the business of manufacturers and compounders of, agents for, and dealers in drugs, chemicals, oils, fats, or their by-products, etc. R.O. : 213 King Street, Hammersmith, London, W. 6.

KLARIT, LTD. (P.C.).—Capital, 6,000*l.* Objects : To acquire from A. C. Cumming all his right and interest in the trade-mark "Klarit," and to carry on the business of manufacturers of and dealers in a substance bearing that name. The directors are : A. C. Cumming, 2 Relugas Road, Edinburgh, chemist, and D. Grant, 24 Litherland Park, Litherland, Lancs, chemist.

JOSEPH DUNCAN, LTD. (P.C.).—Capital, 1,000*l.* Objects : To carry on the business of manufacturing and dispensing chemists and druggists, dealers in medicines and perfumes, etc. The first directors are : A. Duncan, 54 Gibson Street, Hillhead, Glasgow, chemist and druggist; A. M. Chalmers, 60 Sardinia Terrace, Hillhead, Glasgow, solicitor. R.O. : 26 Bothwell Street, Glasgow.

GARBUTT & LOWE, LTD. (P.C.).—Capital, 5,000*l.* Objects : To take over the business of a chemist, druggist, tobacconist, confectioner, stationer, and dealer in fancy goods, carried on by C. H. Garbutt at Front Street, East Boldon, East View, Boldon Colliery, and 324 and 326 High Street and 33A Staple Road, Jarrow-on-Tyne. The first directors are : C. H. Garbutt and E. G. Lowe. R.O. : 326 High Street, Jarrow-on-Tyne.

TOWER PILL AND TABLET CO., LTD. (P.C.).—Capital, 2,000*l.* Objects : To carry on the business of manufacturers of and dealers in tablets, medicines, medical preparations, foodstuffs, drugs, photographic chemicals and preparations, cattle food and feeding and fattening preparations, soaps, toilet requisites, etc. The first directors are : R. J. Morgan, 10 Forest Villas, Peel Road, Grove Road, South Woodford, and A. Beethle, 111 Alexandra Park Street, Dennistoun, Glasgow.

JOSEPH NATHAN & CO., LTD. (Proprietors of "Glaxo").—The report for the year ended September 30, 1920, shows net profit 89,206*l.*, plus 59,765*l.* brought in. The directors recommend a final dividend on the preferred ordinary shares at 4 per cent., making 10½ per cent. for the year, less tax, and on the ordinary shares at 8 per cent., making 15 per cent. for the year, less tax; provision for depreciation, French exchange, 15,000*l.*, carrying forward 73,546*l.*

UNITED ALKALI CO., LTD.—The profit for 1919, after transferring 15,000*l.* to debenture redemption fund, was 178,850*l.*, plus 88,283*l.* brought forward, making 267,133*l.*

Dividends on preference and ordinary shares have been paid, amounting to 201,456*l.*, leaving 65,696*l.* carried forward to 1920. In respect of the report for 1920, the directors regret their inability to submit a statement, but they are satisfied that preliminary accounts indicate results which justify payment of preference dividend, but, with regard to ordinary shares, they cannot recommend any further dividend beyond the interim one of 5 per cent. paid in September.

LEVER BROS., LTD.—The directors' report for 1920 shows a credit balance of 3,270,091*l.*, compared with 2,439,067*l.* for the previous year. The dividend on the ordinary shares is at the rate of 20 per cent., against 17½ per cent. last time. The balance of 3,270,091*l.* standing to the credit of profit and loss account, after providing for repairs, renewals and alterations, depreciation and insurance, has been appropriated as follows : Dividend on seven per cent. preference shares, 1,401,872*l.*; on eight per cent. "A" preference shares, 756,611*l.*; on twenty per cent. preferred ordinary shares, 300,000*l.*; on twenty per cent. "B" preferred ordinary shares, 37,879*l.*; and on five per cent. preferred ordinary shares, 35,938*l.*; co-partnership dividends, 276,855*l.*; dividend on ordinary shares at the rate of 20 per cent. per annum, 456,000*l.*; balance carried to reserve fund, 4,936*l.*

BRUNNER, MOND & CO., LTD.—The directors have convened special meetings for April 21 and May 6, for the purpose of passing resolutions to alter the articles of association in certain minor respects necessary to bring them into line with modern requirements; to subdivide the existing 150,000 10*l.* preference shares into ten shares of 1*l.* each, to increase the rate of interest thereon to 7½ per cent. per annum, and to put the company in a position to take advantage of the statutory power to pay underwriting commission on an issue of shares. These alterations are being proposed in view of the directors' intention to issue in the near future 2,500,000 7½ per cent. 1*l.* preference shares ranking *pari passu* with the issued 150,000 10*l.* preference shares, which by the alteration will become 1,500,000 7½ per cent. 1*l.* preference. Upon the issue being made, preference in allotment will be given to existing shareholders.

Retail Pharmacists' Union.

IPSWICH.—The Ipswich and Suffolk Chemists' Association held a meeting on April 6, when Mr. G. A. Mallinson attended to address the meeting on *The Scope and Working of the Retail Pharmacists' Union*. The President (Mr. C. Smalley) took the chair. A letter was read from the East Anglia Federation of Pharmaceutical Associations suggesting that its President and secretary should be elected *ex-officio* members of all the constituent associations. The President commended the suggestion and proposed the election of Mr. S. T. Milbank and Mr. Tydeman as *ex-officio* members of the Ipswich and Suffolk Association. This was agreed to. Mr. Mallinson, who had a splendid reception, then outlined the events that had led to the formation of the R.P.U., touching briefly the scope of the Society's work, the test case, and the subsequent necessity for an organised body to look after the business interests of the pharmacist. Mr. Mallinson said the rules were provisional, and he earnestly recommended all pharmacists disposed to criticise to join the Union and assist in building up the ideal organisation. They would at all times welcome fair criticism from either their members or the Press. He ended by quoting several typical cases of the work done both by the Chemists' Defence Association and the R.P.U.

THE LATE LORD MOULTON.—A letter was issued to the Press on April 11 suggesting that the patriotic service and aid in medical research and University development of the late Lord Moulton might be suitably commemorated by a tablet or other memorial in Westminster Abbey. The letter is signed by Sir James Walker, Sir William Pope, Mr. Robert Mond, and other well-known men of science.

Chemists' Defence Association, Ltd.

At the annual meeting of the Chemists' Defence Association, Ltd., which is being held at the Holborn Restaurant, London, W.C., as we go to press, the following alterations of the rules are to be considered:

21. A member shall be either

(a) a registered pharmacist keeping open shop on his own account for the sale of poisons in accordance with the provisions of the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908; or

(b) a registered pharmacist who is the superintendent and a member of the board of a body corporate carrying on the business of a pharmaceutical chemist or chemist and druggist in accordance with the Poisons and Pharmacy Act, 1908; or

(c) a registered pharmacist who is the superintendent and a member of a firm or partnership carrying on the business of a pharmaceutical chemist or chemist and druggist in accordance with the Poisons and Pharmacy Act, 1908; or

(d) the executor, administrator, or trustee, or one of the executors, administrators or trustees of a pharmaceutical chemist or chemist and druggist who carried on the business of such pharmaceutical chemist or chemist and druggist in accordance with the provisions of the Pharmacy Act, 1868, as amended by the provisions of the Poisons and Pharmacy Act, 1908, or in Ireland the Pharmacy Act (Ireland) (1875) Amendment Act, 1890, as amended by Section 7 of the Poisons and Pharmacy Act, 1908; or

(e) a registered pharmacist, chemist, or chemist and druggist, or druggist keeping open shop in Ireland on his own account for the sale of poisons in accordance with the provisions of the Pharmacy Act (Ireland), 1875, or the Pharmacy Act (Ireland) (1875) Amendment Act, 1890, as amended by Section 7 of the Poisons and Pharmacy Act, 1908.

Persons within (b), (c), and (d) must be authorised by the body corporate, firm, or partnership, or by their co-executors, administrators or trustees, as the case may be, to represent them in the Association.

22. On any person ceasing to be a member of the Association his share in the Association shall be dealt with as follows:

(a) If the member was the sole holder of a share and dies, his executors or administrators shall be the only persons recognised by the Association as having any title to the share. If and while such executors or administrators shall carry on the business in Great Britain of the deceased member in accordance with the provisions of the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908, or, in Ireland, the Pharmacy Act (Ireland), 1875, or the Pharmacy Act (Ireland) (1875) Amendment Act, 1890, as amended by Section 7 of the Poisons and Pharmacy Act, 1908, they shall be entitled (by one of their number as their representative) to membership of the Association.

(b) If the member was a joint holder of a share and dies, the share shall vest wholly in the other joint holder or holders. If all the joint holders cease at the same time to be members, this Rule shall apply as if the sole holder of a share had died.

(c) If the member was the sole holder of a share, he shall on ceasing to be a member, otherwise than by death, cease to have any rights of membership except the right to transfer any share held by him as in this Rule mentioned.

(d) On any sole holder of a share ceasing to be a member, or on the executors or administrators of a deceased member ceasing to carry on business as in paragraph (a) of this Rule mentioned, he or his executors or administrators, or the executors or administrators of a deceased member ceasing to carry on business as aforesaid, shall, at the request in writing of the directors, transfer such share to any person nominated by the directors for that purpose, and on making such transfer he or they shall be entitled to payment by the transferee of the amount paid up on any such share. If any person who ought, in accordance with this Rule, to transfer any share makes default in so doing, the directors may, in writing, appoint any other person to transfer the share on behalf of the person in default, and a transfer by such appointee shall be as effective as if it were made by the person in default, and the retention or loss of the share certificate by the person in default shall be immaterial, and the directors may issue a new share certificate to the transferee. No person in default shall be entitled to any payment on any transfer. A certificate of two directors that the said power of appointment has arisen shall be conclusive for all purposes. This rule shall

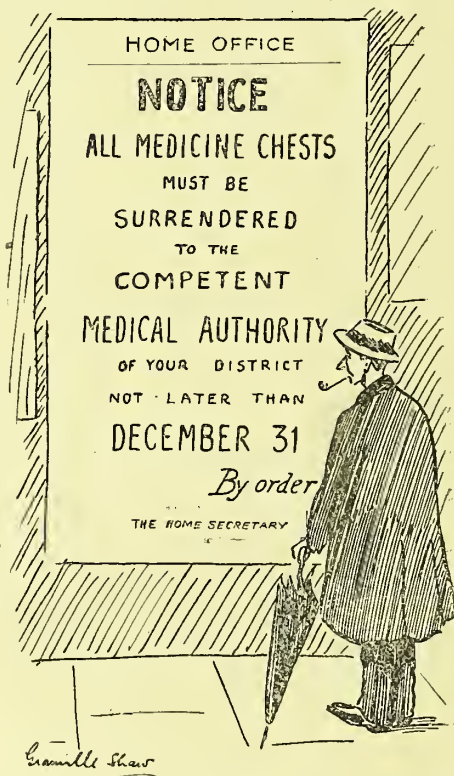
be retrospective and apply to any case in which a share stands, at the date of making this rule, in the name of any person who has ceased to be a member.

23. The directors shall have the right to refuse to register any share transfer, and shall refuse to register any transfer to a person not within Rule 21.

Addition to Rule (6):

If at the time of the happening of any error covered by these Rules there shall be any other insurance covering the same risk, whether such insurance shall be in another association or with any insurance company or otherwise, then the Association shall not be liable to contribute more than its rateable proportion of any compensation payable in respect of such error.

A short paper is contributed by Mr. W. Johnston on *Reminiscences of Twenty-one Years' Work of the Chemists' Defence Association*. In the twentieth annual report, which is to be presented at the meeting, an addition to the membership of 127 (from April to December) is announced, making the total 5,755. The increase to date, however, is much larger in consequence of the formation and alliance of the C.D.A. with the Retail Pharmacists' Union. The financial statement for 1920 is considered more than usually satisfactory, and the directors have been able to carry 1,000*l.* to the reserve of 20,000*l.* The accounts for the year ended December 31, 1920, show an income of 5,088*l.* 8*s.* 11*d.* The expenditure amounted to 4,081*l.* 8*s.* 3*d.*, the principal items being as follows: Claims for damages and legal expenses, 1,616*l.* 5*s.* 6*d.*; salaries, 915*l.* 16*s.* 5*d.*; "Anti-Cutting Record," 354*l.* 3*s.*; "Year Book," 198*l.* 3*s.* 5*d.*; directors' fees, 189*l.*; directors' fares, 165*l.* 12*s.* 10*d.*; printing and stationery, 163*l.* 17*s.* 2*d.*



A FORECAST.

Unless the Home Office modifies its attitude regarding the Regulations under the Dangerous Drugs Act, it will be necessary to issue some such notice as above. If the Regulations in their present form become law it will be a criminal offence to be in possession of laudanum and many other domestic remedies.

"PROFLAVINE in the proportion of one grain in a quart of water, which is sweetened with sugar, is the latest antiseptic and prophylactic for Isle of Wight bee disease," writes a correspondent.

Festivities.

Walthamstow Chemists' Whist-drive.

THE members of the Walthamstow Pharmaceutical Association spent an enjoyable evening recently, when a whist-drive was held in aid of the Benevolent Fund of the Pharmaceutical Society. Mr. A. M. Brown (President) was in the chair, and the prizes were presented by Mrs. Brown to the following: *Ladies* (1) Mrs. Gray, (2) Mrs. McGlinchy, (3) Mrs. Leighton; "booby" prize, Mrs. Duncan. *Gentlemen* (1) Mr. Welham, (2) Mr. Isaacs, (3) Mr. Moorley; "booby" prize, Mr. Ross. As the result of the drive, it is hoped to send 10% to the treasurer of the Benevolent Fund. The success of the evening was largely due to Messrs. Deeth and Gray, who had charge of the arrangements.

Exeter Pharmacists' Dinner.

THE annual dinner of the Devon Pharmaceutical and Exeter Pharmacists' Associations was held on April 6, and was a great success. There was a large gathering, including a number of ladies. Mr. P. F. Rowsell presided. Mr. J. D. Turney (Plymouth) proposed "The Pharmaceutical Society of Great Britain." Miss Buchanan, member of the Pharmaceutical Council, who has recently taken up residence in Dartmouth, responding, made brief reference to the success which had attended the efforts of the Society in blocking the proposed Dangerous Drugs Act Regulations, and, as chairman of the Benevolent Fund Committee, pleaded for support of the fund. She aimed at enlarging the scope of the Committee and of raising 4,000% above the ordinary income in order to provide an extra 200% a year for annuities. Mr. John Keall (President of the Chemists' Defence Association) submitted "The County and District Associations." He was pleased, he said, that as soon as the plans were made for the Retail Pharmacists' Union, the Devon area promptly rose to the occasion. They must remember, however, the claims of the parent body of pharmacists. After the test-case decision those who had to deal with the new conditions came to the conclusion that whatever was done the parent body in pharmacy must be the Pharmaceutical Society, and any edifice to be erected should be raised in such a way that it would not in the least injure the Society. There had been fears that the C.D.A. may suffer, but he was certain that the value of the Association would be enhanced by the cohesion. Mr. Keall paid a tribute to the work of Mr. Rowsell in the interests of pharmacy. The chairman, responding, mentioned that under the able secretaryship of Mr. Southerden the Association had grown to such an extent that nearly half the pharmacists in the county were members of it. They had made good progress, but he should not rest content until practically the whole of the pharmacists were members. The membership of the Pharmaceutical Society had not suffered in any way through the formation of the R.P.U. He was inclined to think the time was coming when they would have to take into consideration the question of prescribing and dispensing. It was felt that it was the duty of the State to see that the pharmacists were given their right status in the country. He was convinced it would be for the benefit of the public. The chairman appealed for increased membership, and assured the Pharmaceutical Society and the Retail Pharmacists' Union of the loyal support of chemists throughout Devon. Mr. M. T. Foster submitted "The Visitors," and Mr. A. Ware responded. Mr. Eric Lemmon having proposed "The Secretaries," Mr. Southerden and Mr. Milton responded, and the toast of "The Chairman," by Mr. David Reid, was accompanied by musical honours. Responding, the chairman urged the members to take their fair share in the public life of the city and county. Musical items were admirably rendered by Mrs. Simonds and Messrs. Paul Tighe, Wills, and E. G. Coombe.

With the Northerners.

HOMELINESS rather than histrionics was the keynote of the happy gathering of members and friends of the North London Pharmaceutical Association who dined together at the Monico Restaurant on Thursday evening, April 7. The conscientious but sedate cheerfulness with which the

President of the Association, Mr. C. W. Andrew, kept things going seemed to temper even the ebullient breeziness so characteristic of his principal guest, the President of the Pharmaceutical Society. The oratory did not match the excellence of the repast, for it was evident that a friendly reunion was more the aim of the promoters than political fireworks. Certainly, in replying to the toast of "The Pharmaceutical Society," proposed by Mr. A. H. Jenkin, Mr. Neathercoat good-humouredly twitted the members of the Association on their reputation for rebellion against constituted authority. He recalled adroitly the historic telegram which he (the President of the Society) had received from the President of the North London Association on the eve of the inception of the Retail Pharmacists' Union. The general laughter with which this was received proved, however, that no rancour abode in the breasts of the "rebels," though Mr. Andrew, in replying later on to the toast of "The North London Pharmaceutical Association," made it quite plain that they would continue to exude fearless criticism. This toast was to have been proposed by Sir William Glyn-Jones, but the Society's secretary had been unexpectedly called to Newcastle, and his son, Mr. Hildreth Glyn-Jones, spoke in his stead. In a pleasant speech this scion of a famous name in pharmacy acquitted himself with credit and a becoming modesty. He varied the usual reflections on pharmaceutical topics with at least one good anecdote, and his reference to the use and value of local associations gave Mr. Andrew the opportunity, in his reply, to point out that one of the most useful purposes of such associations was "to grow Councillors." Mr. Andrew furthermore went on to hope that the President of the Society and Mr. Keall (he did not mention either Mr. Keith or Mr. Skinner, who were also present) would not misunderstand him when he said that the Councillor of the future would have to be an advance on the Councillor of the present. A very agreeable innovation was the attention directed to the good work which is being accomplished by the ladies on behalf of the Benevolent Fund. This was done in a clever and humorous speech toasting "The Ladies' Sewing Guild," proposed by Mr. John Humphrey. Lady Glyn-Jones was down for the reply, but a slight accident unfortunately prevented her presence, so at short notice Mrs. Watson, wife of the President of the Western Chemists' Association, made a charming and effective response. In this connection the chairman subsequently announced that Mr. C. Stephen Steven, managing director of Eucryl, Ltd. (who was present) had offered to present a gold wristlet-watch to the lady who was most successful at the sale of work, and he also desired to make a donation of 10% to the Benevolent Fund. Besides those already mentioned the following were among the members and visitors present during the evening: Mr. H. S. Watson (President of the Western Pharmacists' Association), Mrs. Neathercoat, Mrs. Andrew, Mrs. Humphrey, Mrs. Keall, Mr. and Mrs. Herbert Skinner, Mr. and Mrs. A. R. Keith, Mr. and Mrs. C. A. Noble, Mr. and Mrs. T. Marns, Mr. and Mrs. A. R. Arrowsmith, Mr. Watson, Mr. and Mrs. Duncan Bowie, Mr. and Mrs. J. Downing, Mr. and Mrs. G. A. Tocher, Mr. and Mrs. Honiatt, Mr. and Mrs. Curtis, Mr. and Mrs. Felton, Mr. and Mrs. A. H. Jenkin, Mr. and Mrs. Shirliff, Dr. Fouracre, and Messrs. H. Baker (Duncan, Flockhart & Co.), J. Milner (Greenwich), Amos Jones, G. Lloyd, H. R. Nightingale, A. J. Wing, B. Webster, L. Kirkpatrick, J. C. Carter, R. Fouracre, J. Hearle, Guy Murison, Stanley Murison, Talbot, and Tyler (Parke, Davis & Co.), Tomlinson and Norris (Berton, Ltd.), Lewis and Jones (The British Drug Houses, Ltd.), Lynn (Allen & Hanburys, Ltd.), Agnew (Wright, Layman & Umney, Ltd.), and representatives from S. Maw, Son & Sons, Ltd., and Evans Sons Lescher & Webb, Ltd. The success of the evening was due in a large measure to the painstaking efforts of the secretary, Mr. Herbert Skinner, and an acceptable musical programme was provided under the direction of Mr. Frederick Arthur.

THE recent half-yearly report of the Heckmondwike Co-operative Society shows a profit at the rate of 1s. 9d. in the £ in the drug department.

Chemical Society.

At the meeting of the Chemical Society held at the Institute of Mechanical Engineers, London, on April 7, Sir William Pope was in the chair in the place of the President of the Society, Sir James Walker, who was prevented from being present. Prior to Dr. F. W. Aston reading his paper on *Mass Spectra and Atomic Weights*, Sir William Pope referred to the fact that hitherto chemistry and physics had developed independently of each other, and it was only in consequence of the discovery of radio-activity, and the altered conceptions the introduction of this factor had brought in its train, that both branches of science had been compelled to come together more closely. Dr. Aston referred in the first place to Dalton's law, and remarked that the fact that so many elements possess atomic weights which are not entire numbers had for long been a source of speculation; particularly the atomic weight of chlorine had always struck him as being eminently unsatisfactory, and he could not understand why Nature should imitate a condition recalling the British system of weights and measures. In consequence of recent observations arising from a study of radio-activity, it was now generally accepted that the atomic weights represented a mean between two or more figures. This is due to the discovery, resulting from a study of the radio-active properties of certain elements, that the atoms of a same element display a different degree of radio-activity, leading to the definite establishment of the fact that an element consists of two or more kinds of atoms, with different atomic weights. This was first established by a study of lead, whereby it was found that the atomic weights of radio-active and of non-radio-active lead atoms showed a distinct difference. These atoms have been termed "isotopes" by Soddy. The lecturer then proceeded to describe the method and the apparatus used to determine the number of isotopes of any given element, and their individual atomic weights. The method is based on ionisation, and imparting a high degree of velocity to the single atoms. The substance to be examined is ionised in a discharge tube, the rays are then bent by a magnet and caused to pass through two small slits in a special prolongation of the tube, whereupon they are bent by being made to pass through an electric spectrum, and the spectra are photographed.

By this method neon was found to give two atomic weights, 20.2 and 22. Chlorine gave 35 and 37, a proof of the existence of two elemental chlorines. Argon was found to consist of two atoms, whose atomic weights were respectively 40 and 36. Boron also consists of two isotopes, 10 and 11 being their respective atomic weights. The same applies to silicon (28 and 29), while krypton consists of no fewer than six, and xenon of five, possibly seven, isotopes. On the other hand, sulphur was found to consist of a single isotope, the atomic weight of which is 32. Mercury also consists of a group of isotopes; helium of four, while again arsenic (75) and hydrogen are one-atomic elements, the atomic weight of the latter, determined by this method, being 1.008, a striking confirmation. Selenium, antimony, and tin would not work by this method, but it had been possible to investigate metals and study the metallic ions, whereby lithium yielded two isotopes; this is also the case with potassium, the two atomic weights found being 39 and 41 respectively.

Dr. Aston then drew attention to the fact that the atomic weights of the isotopes determined by this method were always whole numbers, and never overlapping. In conclusion, he discussed the structure of the atom of hydrogen, and of helium, pointing out that the atom of hydrogen consisted of a positive proton, round which circled a negative electron. On the other hand, the "atom" of helium possessed four positive and two negative charges, hence the difference in the atomic mass of both, an entirely new view of the atom to those accustomed to the older conception of an atom; in fact from the point of view of the former teaching, the modern conception of helium as an "atom" consisting of four isotopes corresponded more to the chemist's conception of a "molecule" than that of an "atom."

British Pharmaceutical Conference.

A MEETING of the Executive Committee was held at 16 Bloomsbury Square, London, on April 7, the President (Mr. E. Saville Peck) in the chair. There were also present: Messrs. H. Finemore, T. H. W. Idris, and F. Ransom (Vice-Presidents); Mr. D. Lloyd Howard (hon. treasurer); Messrs. E. T. Brewis, E. R. Cross, F. W. Crossley-Holland, H. Deane, F. W. Gamble, A. R. Melhuish, H. Skinner; with Messrs. R. R. Bennett and C. H. Hampshire (hon. secretaries).

The President reminded the Executive that the date of the annual meeting had been altered to June 13-17, inclusive. Reference was made to the loss sustained by the Conference through the death of the following honorary members and members: Professor E. E. Bourquelot (Paris) and Dr. J. F. Suyver (Amsterdam), honorary members; and Messrs. D. Rainy Brown (Edinburgh), R. L. Hendry (Edinburgh), Dr. J. C. McWalter (Dublin), and Mr. J. R. Gwatkin (Brighton). The minutes of the meeting of the Research Sub-Committee, held on January 14, were read and approved, and Mr. Hampshire submitted the reports of two meetings of the Harrison Memorial Joint Committee, which were adopted. The treasurer reported that the deficit at the end of 1920 was due to the greatly increased cost of the "Year Book," and it was decided to elect a Sub-Committee to go thoroughly into the matter. The following Sub-Committee, with power to act, was appointed: The President (Mr. E. Saville Peck), Mr. D. Lloyd Howard (hon. treasurer), Messrs. H. Deane, F. Ransom, F. W. Gamble, H. Finemore, and H. Skinner; with Messrs. R. R. Bennett and C. H. Hampshire (hon. secretaries). The secretaries were asked to invite Mr. J. O. Braithwaite to attend a meeting of this Sub-Committee.

THE SCARBOROUGH MEETING.—Mr. E. R. Cross stated that arrangements were well in hand for the annual meeting, and the following fixtures had been made, in addition to those submitted at the last meeting of the Executive Committee. On Thursday, June 16, on the occasion of the visit to Whitby, Sir Richard Robinson has promised to welcome the Conference members. The Bridlington pharmacists had invited the Conference to visit Bridlington on Friday, June 17, and an official welcome would be given by the Mayor.

MEETING-PLACE FOR 1922.—Mr. Bennett stated that he had written to the South Wales and Monmouthshire Pharmacists' Local Associations Federation to ascertain if they would confirm the invitation to hold the annual meeting in Swansea or Cardiff in 1922, and the secretary of the Federation had replied to the effect that this would now be impossible, and it was unlikely that an invitation could be given in the near future. Mr. Bennett also reported that an invitation to hold the annual meeting in Nottingham in 1922 had been received. The secretaries were asked to write to the secretary of the Nottingham Pharmaceutical Association to thank the Nottingham pharmacists warmly for this invitation, and to ask that it should be given formally to the members of the Conference at the annual general meeting.

A SUB-COMMITTEE, consisting of the President, the treasurer, Messrs. F. Ransom, F. W. Gamble, and A. R. Melhuish and the hon. secretaries, was elected to make a report to the Executive upon the nomination of officers for election at the forthcoming annual general meeting.

MEMBERS ELECTED.—The following were elected: Mr. A. Richardson (Hull), Mr. G. E. Johnson (Hull), Mr. T. N. B. Cowley (London), Mr. H. A. Mumford (London), Mr. H. T. Knight (London), Mr. E. J. Hughes (Melksham), Mr. E. S. Waring (Nottingham), Mr. H. S. Foster (London), Mr. T. C. Milton (Exeter), Mr. W. Ruff (Whitby), Mr. B. Foggitt (Thirsk), Mr. J. B. Purvis (Bridlington), and Mr. A. E. Beckett, Miss Ada M. Hill, Mr. H. R. Allanson, Mr. W. E. Sanderson, and Mr. J. S. Longdin (Scarborough).

Associations' Winter Session.

Belfast.—A meeting of the General Committee of the Chemists' and Druggists' Society of Ireland was held on April 11 in the rooms, 11 Waring Street, Belfast, the President (Mr. F. Storey) in the chair. There was a good attendance. The chairman welcomed Mr. Samuel Nevin, R.D., on his return to the city after a stay at Bourne-mouth, in the interests of his health, and expressed satisfaction at his recovery. The committee discussed the new Dangerous Drugs Act Regulations, and expressed dissatisfaction that the grievances of chemists and druggists had not been removed in the new draft. The President was instructed to bring the matter up at the Pharmaceutical Council of Ireland meeting, and on his return to the city from Dublin to call a meeting of the Law Committee to go into the subject.

Essex.—The annual meeting of the County of Essex Association was held at 17 Bloomsbury Square, London, on April 7, the President (Mr. Nicholls) in the chair. The treasurer (Mr. Bevan) presented his report, showing a balance in hand of 6*l.* 0*s.* 4*d.*, and the hon. secretary reviewed the work of the past year. The retiring President, in the course of his address, referred to the exacting character of some of the work during the year, and expressed regret that East Anglia is not directly represented on the Executive Committee of the Retail Pharmacists' Union. Dealing with the future of associations, he expressed his opinion that until the Society's plans for organisation are made known it would be wise to continue on present lines. The officers for the ensuing year were elected as follows: *President*, Mr. Catto (Ilford); *Vice-President*, Mr. Gaze (Highams Park); *Treasurer*, Mr. Bevan (Colchester); *Hon. Secretary*, Mr. Tydeman (East Finchley); *Committee*, the members of the Pharmaceutical Committee. A sub-committee, consisting of Messrs. Catto, England, Gaze, and Nicholls, with the hon. secretary, was appointed to consider the advisability of forming a branch of the R.P.U. and to report to the committee at the next meeting.

Great Yarmouth.—The annual meeting of the Great Yarmouth Pharmaceutical Association was held on April 6, Mr. T. J. Woodcock (President) in the chair. The secretary (Mr. F. E. Whitfield) presented the annual report and satisfactory balance-sheet, which were adopted. It was decided to raise the annual subscription to 10*s.* per annum. The President (Mr. S. T. Millbank, Bishop's Stortford) and secretary (Mr. S. G. Tydeman) of the East Anglia Federation were unanimously elected *ex-officio* members. The following officers were elected for 1921: *President*, Mr. E. H. Kellam (Beccles); *Secretary*, Mr. F. E. Whitfield; *Committee*, Messrs. T. J. Woodcock, A. E. Richmond, and K. Rumbold; *Auditor*, Mr. T. B. Male.

Liverpool.—The Liverpool Chemists' Association held the final meeting of the session on April 13, at which Mr. Frank Wokes, Ph.C., gave a lantern lecture on *Two and a-Half Years in Mesopotamia*, graphically describing British enterprise seen during his dispensing work up and down the Rivers Euphrates and Tigris. His object was to demonstrate the brighter aspect of the British expedition in delivering a historic land from Turkish misrule. Mr. Martin Hughes supplied and operated the lantern. Mr. Moreton Parry, in moving a vote of thanks, mentioned the Pharmaceutical Council's encouragement of the recently formed Bagdad Pharmaceutical Society, and commended Mr. Wokes, reminding the members that before joining the Colours he formed one of the Liverpool Pharmacists' Training Corps, under Commandant Hirst. His experience proved valuable when assisting surgeons in Mesopotamia. A letter of thanks was read from Ayton, Saunders & Co., Ltd., for sympathy concerning the Hanover Street fire.

London (N.).—The North London Pharmaceutical Association held a meeting on April 12. Owing to illness of the President, the Vice-President (Mr. A. J. Jenkin) was in the chair. The secretary gave an account of the happenings during the month, specially mentioning

the Ladies' Sewing Guild, for which a prize had been offered by Mr. Steven, managing director of Eucryl, Ltd., and the ladies had decided to invite competitors from other ladies connected with pharmacy, the conditions to be published within a few days. The chairman gave an explanation of the new terms under the National Health Insurance Acts. He also gave further particulars on the clinical prescriptions on the need for following exactly the conditions laid down if prompt payment is desired. Nominations were asked for the Pharmaceutical Committee. Considerable discussion arose over the details of the Tariff, and various suggestions were put forward for future consideration. Mr. Skinner introduced the question of the future of the Association in view of the present developments. He pointed out the difficulties which had arisen, the risk of a potential branch of the Retail Pharmacists' Union, the various interests of the Association, and the relative value of the work which has been done. It has been a question of trade nearly all the way, and on that point the Union branch would swamp the Association. He invited a discussion on the various details, and the following resolution was afterwards carried: "That this Association recommends that the London County Executive should take into consideration the urgency of forming a branch of the R.P.U. covering the whole County of London, with representatives who are members of the Union, nominated by the Associations to form a Central Executive in place of the present Executive of Associations."

Southend-on-Sea.—At a recent meeting of the Southend-on-Sea Association of Pharmacists Mr. Sidney Jamieson (The Wm. Browning Co., Ltd.) lectured before a good audience of pharmacists, Dr. L. Gordon Hopkins presiding. The subject of his lecture was *Petroleum from the Wells to the Pharmacy*, illustrated by lantern-slides. Dr. Gordon Hopkins assured Mr. Jamieson of the value and interest of his lecture from a medical standpoint, and referred to the circumstances which led to petroleum being so much employed by the medical profession.

Business Changes.

R. W. GREEFF & Co., LTD., have removed their Manchester office to Palatine Bank Buildings, 10 Norfolk Street.

MR. A. E. STROTHER, chemist and druggist, Newcastle-on-Tyne, is removing from 4 Clayton Street West to 9 Pink Lane.

HORACE BATTIN & Co., LTD., importers and exporters, have removed to Port of London Authority Buildings, Seething Lane, London, E.C. Their telephone number is Avenue 8585.

A. CONNELL & Co., chemical merchants and manufacturers, are removing as from April 15, from 3 Jewry Street to 20 Bevis Marks, London, E.C.3. Their telephone number is unchanged.

HALL FOSTER & Co., LTD., manufacturing chemists, Newcastle-on-Tyne, have removed from Elswick Court to Peel Buildings, Temple Street, where the accommodation is about twice as great as that of the old premises.

STEPHENS BROTHERS & Co., chemical-importers and merchants, have removed from Bury Court to more commodious offices at 13A Finsbury Square, London, E.C. 2, and have also taken a warehouse at 3 and 4 Mallow Street, E.C. 1.

MR. D. M. REES, chemist and druggist (Potts & Rees, 62 South Audley Street, London, W. 1), has purchased the business of J. G. Gould & Co., 23 North Audley Street, W. 1, and has taken into partnership Mr. E. Smith, late of Kenilworth. The two businesses will be continued under their respective trading styles.

DRIED LIVER, flavoured with anise, was stated to have been in the possession of a man named Hobson, who was lately committed for trial at a London police court on a charge of dog-stealing. The bait is, like the other Hobson's choice, of ancient renown.

The "Extra Pharmacopœia."

Vol. II.

IN the *C. & D.* of June 26, 1920, we reviewed Vol. I. of the seventeenth edition of the "Extra Pharmacopœia." The second volume of the book is now completed, and may be obtained from the publishers, H. K. Lewis & Co., Ltd., 136 Gower Street, London, W.C., or from W. Martindale, manufacturing chemist, 10 New Cavendish Street, W. The price is 17s. 6d. (18s. post free). Vol. I. is 27s. (27s. 6d. post free), but the two volumes are sent post free for 45s. The other day we caught Dr. W. H. Martindale and got him to talk about the "Extra" and other things. We were glad to learn that his colleague, Dr. Wynn Westcott, has returned hale and hearty from his trip to South Africa, and was home in time to see to the final proofs of the new volume. Dr. Westcott found the chemists in Durban in a flourishing condition. And what about Vol. II.? "we said. "You may recall," Dr. Martindale began, "that some fifty years ago, on one Christmas Eve in the days when Hopkin & Williams occupied No. 10 New Cavendish Street, Hopkins said to Williams—'Williams,' he said, 'there are some fine fat cod livers in the market. It would seem well to press the oil from these livers and purvey the same.' So Hopkins took a reticule into the Titchfield Market, and before Big Ben had struck the witching hour the oil was pressed; and there never was such oil, neither before nor since." "Then again," Dr. Martindale proceeded, "the old 'wet' process in photography was worked out 'on the leads' at New Cavendish Street." "But what has this to do with Vol. II.?" we interpolated. "Simply this—firstly, that history repeats itself, and if you want a thing well done you must do it yourself; and secondly, when I am not writing the 'Extra Pharmacopœia' I am wondering where I can press or strike or otherwise acquire 'oil'—animal, vegetable, or mineral—no matter which." "I very often think," he said, "and you no doubt agree with me, that every business man is on the look-out for hypothetical 'oil' wells from dawn till dusk—all the time he is awake, in fact—while the wage-earner lives a different life. I grant he has his trials and his difficulties; he earns less, it is true, but when the clock strikes six does he go on looking for 'oil'? Not a bit of it!"

With this preliminary canter we dipped into the volume in front of us, embodying 788+xxxii pages, including a fifteen-page preface and ninety pages of index. The issue of the volume being delayed some nine months after Vol. I. confers a benefit to the user, as it permits of the latest touches being added—for example, we noticed in passing that the 1920 International Atomic Weights are given. "Yes," said the interviewed one, "these atomic weights are all very well, but they entail a horrible amount of labour, and, as you may remember, I am in favour of round number weights—I told them so in a paper at the Square in 1911, and—we all like to be prophets—the latest on isotopes (page xxix) shows that all the atomic weights of the elements so far measured by the spectrum method are exactly whole numbers on the scale 0=16, hydrogen being the exception. The young *débutante* at Galen Place in the future will have her work set, cramming up isotopes *n'est-ce pas?* Imagine chlorine being three entities, mercury six, lead at least six, and so on! *Multum restabit operis!* The 'Analytical Addenda' to the materia medica portion of Vol. I. occupy some 150 pages in the new volume, and I doubt if anything really practical has been contributed to scientific literature in the drug and pharmaceutical-chemical assay direction during the last few years that we have not pounced upon and, if necessary, worried over. "What is your opinion, we asked, "of organotherapy?" "Either purest charlatanism or a trend of medicine of the future with the vastest possibilities. Whether the one or the other depends upon the setting up of definite standards for these preparations and the isolation of the active principles of 'glands.' The treatment of myxœdema by thyroid, to take a concrete example, is hardly likely to succeed if a dishonest thyroid preparation is administered. The original case first treated by Murray has recently died at the advanced age of

seventy-four. Health was maintained for twenty-five years or more by a gallon of liquor thyroidei. We have progressed a bit since liquor thyroidei was given for this and many other faulty metabolisms, and it is known that thyroid will suffer desiccation without impairing its activity; hence why get back to the 'stone age' of the fresh gland basis for dried thyroid? I am much impressed with the Dutch requirement of 0.4 per cent. organic iodine. "The day will no doubt arrive when we have the equivalent of Takamine's brilliant discovery for every gland hitherto given in the crude dried gland form." Regarding physiological assay methods the reply was: "With one or two exceptions, the chemist can produce results 'just as good,' if not better. It is rather amusing, that because frogs are liable to seasonable variation our friends have to set up a standard of 0.0000005 gram of ouabain for the gram weight of frog in their assay of digitalis, strophanthus, and squill. Is ouabain a very pure substance? I must say one good word for the physiologist, however. One of these, a well-known London Professor of Physiology, reported upon some liquid pituitary extract which I made that it was so extraordinarily active on the guinea-pig uterus that he was obliged to dilute down to 1 part in 240,000 to obtain measurable tracings." Continuing the survey of the contents of the book, Dr. Martindale said: "The organic analysis chart which I put together some years ago comes in most handy in my own laboratory, and no doubt in others as well. There are numerous additions—the various ureides, adalin, dial, luminal, medial, and so on, give quite distinctive response to reagents. Iontophoresis, radiology, and radium and radioactive products of thorium, crowded out from Vol. I., occupy seventy-five pages in Vol. II." The reference to radioactivity brought to mind an anecdote about Professor Soddy. "A few years ago," said the Doctor, "I heard some lectures of his at University College. On one occasion, after a good half-hour at the blackboard, he mopped his brow and turned to us and said, 'You can also prove it by common sense.' Even the Professor joined in the suppressed chortles." Then there is the chapter on the antiseptic powers of chemicals, with results of the author's bench work on eusol, Dakin's fluid, acriflavine, aniline dyes, and so on; and we note that the efficacy of the hypochlorites diminishes rapidly. To be on some reasonable basis, eusol and "Dakin" were examined the same day as made.

Reactivity of the blood to benzidine brought the subject of hydrogen ion concentration into prominence. The chemist in business is perhaps as yet not called upon to determine the H ion concentration of a customer's blood as frequently as, say, to conduct a water analysis, but it is useful to know how to make the necessary set of standard colour tubes and the collodion sacs required and, in short, the entire technique, using that remarkably delicate indicator phenolsulphonaphthalein. Under water analysis the military standpoint is duly considered, with the inevitable alum-box and an abstract from a *C. & D.* paper on poisoned water. The section of the work which entails probably the most labour from the purely literary aspect is the ninety-page chapter on bacteriological and clinical notes with reference to special diseases. The section is very handy in its alphabetical order, and taking the subject in this manner we have the latest condensed knowledge, for example, on acne, anthelmintics, beri-beri, cancer, diphtheria, dysentery, gas gangrene, gonorrhœa, influenza, leishmaniasis, malaria, pellagra, syphilis, trench fever, trypanosomiasis, tuberculosis, typhoid, typhus, yaws, yellow fever, and many others. Under tuberculosis there are a few remarks on Spallinger's serum and the statement that secrecy as to its composition prevents adequate trials in this country. To show further the up-to-dateness of the book we are treated to a digest of the Proprietary Medicines Bill, mostly from the *C. & D.* articles up to February last. And this brings us to the index. Previously there was no index to Vol. II. Now the Vol. I. index is reprinted and altered so as to incorporate Vol. II. items in bold type. This is a very useful feature. The purchaser of Vol. II., if uncertain as to whether an item is in the main volume or the second, will find what he wants at once by consulting the new index, and, in our experience, he generally does find his query answered in the "Extra Pharmacopœia."

Marriage.

SMITH—HORNE.—At Inverurie, on April 8, by the Rev. Hector Ross, James Smith, M.P.S., Brechin, to Sarah, fourth daughter of Mr. John Horne, Silvermoss, Old Meldrum.

Deaths.

BLOUNT.—At 48 Bedford Gardens, London, W. 8, on April 9, Mr. Bertram Blount, F.I.C., F.C.S., aged fifty-four. Mr. Blount, who served twice on the council of the Institute of Chemistry, was the joint author (with Mr. A. G. Bloxam) of a text-book entitled "Chemistry for Engineers and Manufacturers."

BOND.—At "Floctonville," Gibbon Road, Kingston-on-Thames, on April 8, Mr. Charles Radcliffe Bond, M.R.C.S., L.S.A., chemist and druggist, aged eighty-four. Mr. Bond was apprenticed at Ware, and afterwards became an assistant with Gamble & Co., Kensington, S.W. In those days the Pharmaceutical Society held free courses of lectures for students, and Mr. Bond used to walk from Kensington to Bloomsbury Square to attend them. He passed the Minor examination and became an associate of the Society in 1855: the number of his certificate is 434—probably the earliest remaining number on the Register of Chemists and Druggists for some years past. Mr. Bond subsequently attended St. George's Hospital, London, and in 1861 passed the examinations of the Royal College of Surgeons and the Society of Apothecaries. He first practised as a medical man at Kentish Town, but removed to Kingston-on-Thames and opened a surgery in 1869. Ten years later, owing to a failure in health, he retired and disposed of his business to Mr. Alfred Higgs, J.P., who carries it on as a pharmacy and dental surgery. Mr. Bond was once a candidate for municipal honours, but failed to secure election. He is survived by a son and a daughter.

CRABTREE.—At Nice, recently, Mr. Luke Crabtree, Lea Grange, Blackley, Manchester, managing director of J. & J. Thompson & Co., Ltd., chemists, Oldham, aged sixty-four. Mr. Crabtree, who was a native of Rochdale, commenced business in Burnley. Early in the 'eighties he removed to Oldham and established the present company, which now has fourteen branches. Two years ago Mr. Crabtree had a breakdown in health, and his activities were consequently curtailed. He was widely known as a breeder of mastiffs and bulldogs.

DARBY.—At Glen Radhaire, Haddington Gardens, Belfast, on April 9, Mr. William John Darby, R.D. Mr. Darby, who was a native of Saintfield, passed the Registered Druggist examination in 1914. He was for some time with Mr. Samuel Gibson, J.P., chemist and druggist, King Street, and subsequently with Mr. D. A. Taylor, R.D., Divis Street.

NEWPORT.—At Margate, on March 31, suddenly, Mr. Newport, assistant with Mr. V. J. Woolls, chemist and druggist.

PEARCE.—At Lynton, Harbour Crescent, Newquay, Cornwall, on April 3, suddenly, Mr. Robert Edgar Pearce, chemist and druggist, 1 and 24 Bank Street.

REINOLD.—At East Cosham House, Cosham, on April 11, Mr. Arnold William Reinold, C.B., M.A., F.R.S., aged seventy-six. On the establishment of the Royal Naval College at Greenwich in 1873, Mr. Reinold was appointed professor of physics, and held the post for the greater part of his life. He was at various times an examiner in that subject in the Universities of Oxford and London, and edited one edition of Ganot's "Physics."

SPRAKE.—At Accrington, on April 7, Alderman David Lewis Sprake, chemist and druggist and solicitor. Alderman Sprake was educated at Albots Bromley Grammar School. He passed the Minor examination in 1873, after serving his apprenticeship in Wales and gaining experience as an assistant in London. From 1875 to 1883 he

carried on the business in Accrington formerly in the possession of the late Mr. J. Ashworth. He then disposed of the pharmacy and took up the study of law, passing his final examination six years later.

Personalities.

Mr. J. COFMAN-NICORESTI has been elected a member of the Society of Public Analysts.

Mr. W. H. GRIMSHAW, chemist and druggist, Blackburn, has returned from a visit to some of the battlefields of the great war.

Mr. HORACE P. HAMILTON, C.B., Chairman of the Board of Customs and Excise, has been appointed a Knight Commander of the Order of the Bath.

Mr. THOMAS SWALES, druggists' sundriesman, Butts Court, Leeds, has, for the fourth year, been elected people's warden at St. Chad's church, Far Headingley.

Mr. WILFRED LUMB, Ph.C., Sowerby Bridge, who was one of the passengers in the Blackpool express when it collided with a goods train recently, escaped without injury.

On the initiative of Mr. F. H. De la Rue, chemist and druggist, 22 States Arcade, St. Peter Port, a chemists' section has been formed in the Guernsey chamber of commerce.

Mr. H. S. REESON, perfumery buyer at Harrod's, has been appointed special representative in the West End of London for A. Bourjois et Cie, Ltd. Mr. C. Burbidge, the other London representative, will give his whole time to suburban customers' wants.

Mr. THOMAS BREWIS, chemist and druggist, Landport, Portsmouth, who recently celebrated his seventy-fourth birthday, has been elected to the local board of guardians. Mr. Brewis is a member of the Portsmouth Borough Council, and has much public service to his credit.

Mr. W. T. ASPDEN, head of the retail staff department of Boots, Ltd., for the past twenty years, has, on retiring, been presented with an illuminated address and a cheque on behalf of "colleagues and associates of Station Street, Nottingham"; similar gifts from the territorial, general and branch managers and staffs, representing some 400 of the company's retail branches; and two bronze figures from sixteen members of his personal staff.

Wills.

Mr. RICHARD THOMAS RICHARDSON, chemist and druggist, 129 Ullet Road, Liverpool, who died on February 16, left estate of the gross value of 1,291*l.*, with net personality 75*l.* Probate of his will has been granted to his son, Richard Conway Richardson, of the same address, chemist.

Mr. SAMUEL BISHOP, chemist, Birchleigh, Highfield Road, Southampton, who died on January 26, has left property of the value of 17,036*l.* 15*s.*, the net personality being 16,703*l.* 7*s.* 2*d.* The testator leaves everything to his wife for life, and then 333*l.* a year to his son, George Henry, for life, and an annuity of 350*l.* to his widow, and the ultimate residue in trust for his grandchildren, Lorein Chas. Bishop, Gertrude Violet Bishop, and Edna Rhoda Bishop.

SUSPECTED SHAVING-BRUSHES DESTROYED.—The medical officer of health for the City of London reports the destruction during March of 13,224 Japanese shaving-brushes suspected of containing germs of anthrax.

An Italian Royal decree issued during March indicates that benzene and other coal-tar oils, light and liquid, destined to serve as raw materials for the production of artificial organic colours or varnishes, lakes, and similar products, can be imported at a reduced duty of 2 lire per 100 kilos., on the condition that they be denatured. Another decree fixed the new prices for the denaturing agents for the alcohols destined for industrial purposes.

Trade Notes.

SEVEN SPAS SOAP for rheumatic complaints is advertised by the Seven Spas Proprietary Co., Ltd., 3 Heddon Street, Regent Street, London, W. 1. The soap retails at 1s. 3d.

EVANS' CATALOGUE.—The yearly catalogue of Evans Sons Lescher & Webb, Ltd., mentioned in the *C. & D.*, April 2, p. 62, is an export catalogue, and not the one issued for the home trade.

AYRTON, SAUNDERS & Co., LTD., announce that, having replaced their stock of labels and cartons, their P.K.L. (Pain-Killing Liniment) is again on sale. Lemonade tablets and cocoanut-oil shampoo can also be ordered.

MILNER CLEANER for straw hats should be stocked in readiness for the summer-time demand. Milner's Chemical Co., Liverpool, supply advertising matter, and offer other sale advantages in their announcement.

MASON PEARSON HAIR BRUSHES.—Francis Newbery & Sons, Ltd., wholesale druggists' sundriesmen, 27 and 28 Charterhouse Square, London, E.C., give useful particulars regarding the Mason Pearson brush. This brush is made in three grades, which retail at 10s. 6d., 15s., and 18s. 6d. each.

THE KOH-I-NOOR ADVERTISING CAMPAIGN to the public, referred to last week (*C. & D.*, April 9, p. 46), will not commence until the end of the month. It may be necessary to defer this still further if the present trouble continues. The advertisement in the *C. & D.* last week was a preliminary announcement of the campaign in the public Press.

GENUINE INSECT POWDER.—Stafford Allen & Sons, Ltd., Cowper Street, Finsbury, London, E.C. 2, have added a new department to their business—i.e., the grinding of insect flowers in their own mills—and they are now in a position to offer guaranteed absolutely genuine powder from closed flowers on very favourable terms to wholesale buyers.

SANGERS' LIST.—Sangers, 258 Euston Road, London, N.W., have issued their new illustrated price-list of proprietary medicines, sundries, toilet, and photographic goods. It is a bulky list of about 250 pages, and is divided into sections (1) general catalogue, (2) druggists' sundries, (3) packed goods, and (4) photographic articles. The list is brought up to date by the issue of monthly supplements.

"SANOID" SOCKS.—Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham, announce a reduction in the price of their well-known "Sanoid" boracic socks. The protected retail price is 9d. per pair. The company request us to state that recently they have found that many letters sent to them have not been delivered. They would be glad if those who have not received replies to their letters would repeat the communications.

ENOLIN COMPETITION.—The reference (*C. & D.*, April 9, p. 46) to the competition which A. & E. Carreras, 207 King Street, Hammersmith, are organising was incorrect in regard to the special parcel. This parcel, valued at 14s. 6d., is given free to all registered participants who send cash with order during the competition. As stated, the trade competition opens on April 15, the particulars being given in the advertisement in the *C. & D.* last week.

EXPORT OF SULPHATE OF COPPER FROM GERMANY.—According to the German Press, the Self-governing Organisation of the Metal Industry (Metallwirtschaftsbund) decided on February 24 that the amount of sulphate of copper allowed to be exported should be increased from 50 per cent. to 75 per cent. of the production for the months of March and April. According to reports available, the production of copper sulphate approximates to that in 1920, when, it is estimated, the following quantities were probably exported: In February, 300 tons; in March, 380 tons; and in April, 350 tons.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1921, p. 300.

(From "The Trade-marks Journal," March 23, 1921.)

- "PARAMALT"; for all goods (3). By J. Taylor (Trongate), Ltd., 114 Trongate, Glasgow. 410,148.
- "VANILLOIDS"; for medicinal chemicals (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 410,749.
- "SINTMERI"; for all goods (3). By F. N. Shields, 108 Waverley Road, Bradford, Yorks. 411,007.
- "MONASTERY PILLS"; for pills (3). By E. Clements, Marsh View, The Street, Lessingham, Norwich. 411,221. (Associated.)
- "SIMFIE"; for medicinal chemicals (3). By F. G. Carter, 62 Lymington Road, Hampstead, London, N.W. 6. 411,459. (Associated.)
- "ECHTISA" and "ECHTONE"; for medicinal chemicals (3). By M. F. Pratt, 7 Wybert Street, Munster Square, London, N.W. 1. 411,577/578.
- "CELENULTREN," "PLATULTREN," "CUPULTREN," "ARGULTREN," "ATRULTREN," "SULFULTREN," "MERCURULTREN," "FERRULTREN"; for medicinal chemicals (3). By A. Wander, Ltd., 45 Cowcross Street, London, E.C. 1. 411,923/924/925/926/927/928/929/930. Associated.)
- "PALUDIFUGINE"; for medicinal chemicals (3). By Baron E. C. d'Ecckenbrugge, 71 Rue de Têux, à Ixelles, nr. Brussels, Belgium. 412,097.
- "HORDEOL"; for dietetic food preparations (42). By J. Wakefield, 1 Easy Row, Birmingham. 410,009.
- "MELOC-TOSE"; for milk and milk foods (42). By Federal Milk Proprietary, Ltd., 530 Flinders Lane, Melbourne, Victoria. 411,462.
- "SILVEENA"; for perfumery, etc. (48). By A. Cargill Bowden, 3A Hornsey Road, London, N. 19. 410,857.
- "VIRELLE" and floral device; for perfumery, etc. (48). By J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W. 1. 411,517. (Associated.)
- "EVEYS"; for toilet articles (48). By H. Osborn, Ellesmere, Castlebar Park Road, Ealing, W. 5. 411,694.

(From "The Trade-marks Journal," March 30, 1921.)

- "SAVROC"; for all goods (1). By Macknights, Ltd., Rock Savage Chemical Works, Frodsham Bridge, Cheshire. 411,912.
- "BLUE-JAY"; for a preparation for corns, etc., foot-powder, and foot-soap (3). By Bauer & Black, 2500 South Dearborn Street, Chicago, U.S.A. 406,532. (Associated.)
- "ONKOR"; for dentifrices (48). By Euceryl, Ltd., 138 High Street, Borough, London, S.E. 1. 411,444.
- "CORYX"; for perfumery, etc. (48). By Ada Fisher, 345 Archway Road, Highgate, London, N. 6. 412,362.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

- | | |
|---|--------------------------------------|
| Y/64. "Elmstar" brand elastic hosiery. | H/84. El Cambio vegetable hair oil. |
| E/74. Frankel's granulated betanaphthol. | B/124. Sulpharsenol. |
| P/94. "Cerealine," a substitute for shredded coconut. | B/114. Argent, coelinate |
| B/74. Niohexol. | D/124. Buxton's bicarbonate of soda. |
| E/84. "Liverpool" toilet soaps. | N/114. Nubrene. |
| M/134. Nupuss. | B/84. "Ideal" dental plate brushes. |
| B/124. Lanoid crêpe bandages. | |

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4.

- | | |
|---|--|
| Blue Jay plasters, O/114 | Mulford's bismuth formic iodide, W/124 |
| Dermogen tablets, S/124. | Pétrole Hahn, S/124 |
| Enamelled-iron bed-pans and douche cans, E/74 | Pyramidon, S/134 |
| Fertilisers in quantity, E/114 | Rubber sheeting, F/124 |
| Henna leaves, K/114 | Spongio piline, M/114 |
| Iodoglidine, C/24 | Stockingette material, F/124 |
| Le Page's liquid glue, M/74 | Veterinary medicine-chest fitters in London, L/114 |
| Mennen's talc powder, V/134 | |

Observations and Reflections.

By Xrayser II.

At the Scottish Federation Dinner,

reported in your issue of April 2, two or three noticeable things happened. The toast of the Pharmaceutical Society, for instance, was proposed and drunk before that of the Federation itself, which, in the circumstances, was generous; and the Society was likened to the Alma Mater of the university graduate, which was more than generous; for, except to its own students, the Society (though I believe I have flattered it myself) does not stand to pharmacists in the same relation as a teaching university to its graduates. The spirit which prompted these amenities is, however, altogether admirable, and if the leaders of the Society will but habitually act towards its rivals, or coadjutors (whichever we are to call them), in the same spirit all will be well. It is necessary to the beneficent working of all these bodies that they should live harmoniously one with another, in a spirit of equal friendship and respect. Each must leave the others perfectly free to act in its own sphere without any attempt at dictation or any carping criticism; there must be no invasion or attempt at invasion of one another's province; and, above all, perfect good-will and courtesy must be maintained all round. The Scots have set us a splendid example.

Panel Patients

who are dissatisfied because their medicines cannot always be supplied at five minutes' notice should be recommended to become private patients of their respective doctors. They would find the time of waiting considerably prolonged and "urgency" much less frequent. My own experience (and I have had a good deal lately) is that a prescription written at about eleven in the morning does not usually materialise as a bottle of medicine till about seven in the evening, and that if written at something like the latter hour I must not expect the medicine before noon next day. As dispenser to a doctor more years since than I care to remember, I used to find all the prescriptions written during his daily round come in together when he returned home for dinner in the evening—or sometimes after he had dined. Of course they were "urgent" then, as my hours were a matter of indifference to the doctor. I do not know that the patients suffered from this delay, but if they had been on the panel what a hullabaloo there would have been!

Dr. Blyth's Definition

of a poison is at once too wide and too narrow, too wide because, as you point out, it includes several substances which nobody would class as poisons, and too narrow because it insists too definitely upon the connection of toxic action with chemical composition. An absolutely satisfactory definition is perhaps impossible, but I think Dr. Blyth's would be improved if it ran more like this: "A poison is a substance which, being taken into any living organism in comparatively small quantities, causes by its own proper action impairment or destruction of function." I retain the form of his definition as far as possible, and of course I ignore the absurd legal distinction between things which are poisonous and things which are poisons.

Mr. J. W. Adamson

(whose failure to secure a place on the Executive Committee of the Retail Pharmacists' Union I was sorry to see) makes a suggestion for the subdivision of the electoral sections which is worth noting. In very many of the sections the truly rural pharmacist has really no voice, being hopelessly out-voted by the "congested town centres" of his district, and a distinct class of interests is therefore in danger of being unrepresented on the Committee. This is the more to be regretted because the rural chemist has not only special interests but peculiar difficulties in keeping in touch with his fellows and with pharmaceutical politics, and is apt to become indifferent, or worse than indifferent,

to everything but his own immediate concerns. He ought to be encouraged to cultivate the corporate spirit which is the only sure bond of any union. He may be a "village Hampden" or a "mute inglorious" Glyn-Jones, whose "noble rage" is expressed by the isolation in which he lives. If every provincial section were subdivided into urban and rural areas (one at least of the latter in every section) such men would have an outlet for their energies, and even the more indifferent would be roused to some degree of interest in the common life.

John Wesley,

as is well known, was a great amateur in medicine, and wrote a book on "Primitive Physic," which went through thirty-six editions between 1747 and 1840. Though brought up in a Wesleyan circle familiar with most of Wesley's writings, I have never seen a copy of this work, and conclude therefore that it is now somewhat rare. Mr. Hackett, in his "My commonplace Book," quotes several receipts from it which lead me to think I have not thus missed much that is worth knowing. One of them is for "Middling pills of cobwebs" as a cure for an ague. Another runs thus: For "The Iliac Passion: Hold a live puppy constantly on the belly"; but the most extraordinary of all is this: "A Fistula: Grind an ounce of sublimate mercury as fine as possible. . . . (Two quarts of water to be added, then half a spoonful with two spoonfuls of water to be taken fasting every other day). . . . In forty days this will also cure any cancer, any old sore or king's evil." We are not told what size of spoon is to be used. It is curious after such reckless prescribing as this to find that Wesley altogether omits cinchona bark from his book on account of its "extremely dangerous" character.

The Author of "Yellowleaf"

(Heinemann, 1919) must be credited with the creation of the pharmacist of fiction *par excellence*, for the force of "fiction" can no further go. This gentleman is anonymous, but he is an assistant to "a famous chemist in Wigmore Street," of all places in the world, whose shop, "a great space," has "its dividing and subdividing brown partitions," and is described, less distinctively, as smelling strongly of drugs. Hither at dead of night is brought a prescription of the great Harley Street physician, Sir Arthur Hesketh. The "heavy-eyed young man" who answers the bell regards the prescription "with amazement." "This [he says] is pretty stiff"; and when he hands the bottle to the messenger he does so with the remark, "This will either kill or cure her; it's what I call a real dose." The physician, who matches the chemist in folly, is at the patient's bedside when the medicine (sent out, as afterwards appears, in a blue bottle) arrives. He calls upon the person with the steadiest hand in the room to drop exactly ten drops into exactly two tablespoonfuls of water, warning him that twelve or thirteen drops would be a fatal dose. The patient recovers, and takes occasion to get rid of an old enemy by poisoning him with an overdose of these drops, and then commits suicide by the same means. Though described as a "heart tonic," the stuff acts as a narcotic in both cases. Had not Wigmore Street been given as the chemist's habitat, it would hardly have been worth while to expose such a tissue of absurdities.

The Browning Book

(a copy of which has been sent to me) is exceedingly well got up, and is not the less pleasant to look at because it is frankly an advertisement. The introductory sketch of the history of petroleum is naturally slight and general in its terms, for very little is known certainly about the subject. Persia is, I believe, credited with the earliest employment of the oil in cookery and medicine. It was used there as an embrocation for rheumatism. It is not always clear whether when petroleum is spoken of in ancient times naphtha is not meant. The old English name for petroleum was oil of petre, or rock oil. It was brought here principally from Babylon, and was used for many outward complaints, such as rheumatism, gout, and paralytic limbs. It is a long step from these old applications to "Semprolax."

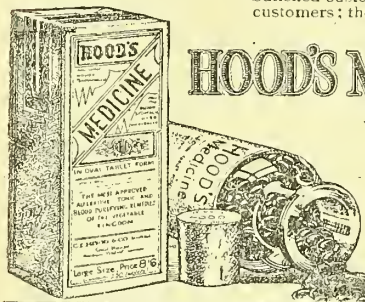
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An announcement of particular interest to you appears in this issue on page xxi.

PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting an efficient agent who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

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Important Notice to the Chemist Trade.

Messrs. J. Margerison & Co.,
White Windsor Soap Works,
Preston,

having terminated their agreement with SOLE AGENTS, are now in a position to supply DIRECT to the Chemists their well-known Toilet Requisites, including the famous

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Editorial Articles.

The Dangerous Drugs Regulations.

THE political situation, as a consequence of labour troubles, is not reassuring for those who are hoping for an early revival of trade. It is persistently rumoured that the Government intend appealing to the country so soon as the coal-miners' dispute is patched up. If this eventuality materialises there is a possibility that the Dangerous Drugs Act Regulations will fail to become law before the Cocaine and Opium Regulation, made under the Defence of the Realm Act, expires. It should be explained that the last-named Regulation was continued until August 31 by the War Emergency Laws (Continuance) Act, but the action of the Home Office officials in issuing the ridiculous "Draft" Regulations has caused a delay which may make the action of the officials concerned more culpable. The Regulations are not to be issued again in "draft," but will be placed, in what the officials hope will be the final form, on the table of both Houses of Parliament. Then, if an address is not presented to the King within twenty-one days praying that the Regulations be annulled, they become law. The twenty-one days must be days on which the House has sat. It will be seen, therefore, that the position, in view of the political considerations, may be critical. There would be no tears shed by chemists if the Regulations never became law in the form they have been put forward. As we

pointed out, the pharmaceutical interests are those most concerned with the Regulations, and yet these have received the scantiest consideration. On the Departmental Committee only one of the members had a knowledge of pharmacy law, and could be out-voted on every matter by other members. The consequence of this disparity of representation is that the report concedes everything to doctors, dentists, and veterinary surgeons, and very little to pharmacists. We understand that the report of the Departmental Committee has been submitted to the medical bodies and to the Pharmaceutical Societies of Great Britain and Ireland. The exact purport of the Regulations we cannot make public, but it is very certain that they are still unsatisfactory to the drug trade. We referred recently to the suggestion made by the Departmental Committee that there should be a schedule of exempted articles. This schedule has been drawn up, but it does not contain any article which has cocaine in its composition. *Pulv. ipecac. co.* and *ung. gallæ c. opio* are probably included in the exemptions, but not *tinct. opii*. The consequence of this is that the retail sale of laudanum will be illegal if the proposed Regulations become law. The enormous difficulties and inconvenience that will thus be created in withdrawing a domestic and veterinary remedy from sale can be realised by chemists and the public, if not by Government servants. Another crass stupidity of the Regulations is that, although thousands of proprietary articles containing small amounts of morphine cannot be sold retail, yet, with a sense of humour worthy of a better cause, the draughtsman has devised a regulation which states that the percentage of the drug shall be stated on the label. This requirement is to be dropped in regard to dispensed medicines for obvious reasons, but continued in the case of proprietary medicines, if, as is impossible under the Regulations, they are sold retail. Apparently Civil servants, like the Bourbons, never learn by experience, and it may yet be necessary for Parliament to apply the heavy boot before these obstinate officials are awakened to the fact that their antics can no longer be tolerated. It may be that the protests of the Pharmaceutical Societies may still prevail; if not, we trust that the Societies will rally chemists for the greatest fight of all. The question may also arise as to the legality of the Regulations.

Anglo-Italian Trade.

THE "Anglo-Italian Review," a monthly publication issued by the British-Italian Commercial Association with the object of fostering trade relations between Italy and the United Kingdom and other parts of the British Empire, has made a new departure by the separate issue of a Commercial Supplement devoted to the above objects. The issue before us contains some very interesting and up-to-date commercial information, including a detailed examination of Italian imports and exports, which should be a precise guide to manufacturers and importers. Of particular interest are the tables devoted to the importation of chemicals and drugs into Italy, and showing what proportion thereof has been supplied by British makers. Corresponding figures are given of what chemicals and drugs can be bought from Italy. The disorganisation caused by the war has hitherto prevented the publication of the Italian Custom House statistics with the regularity which is required if the data they contain are to be of practical value to merchants. But a return has now been made to punctuality, as may be judged from the following

figures showing the Italian demand for foreign goods and indicating those which Italy can offer.

WHAT ITALY IS BUYING.

Imports during seven months of 1920—Amounts in metric tons, liquors in 1,000 litres, except where otherwise indicated:

Amounts imported from	All British Count- tries Em- pire	Amounts imported from	All British Count- tries Em- pire
<i>Spirits, Liquors, Alcohol, and Oils.</i>			
Alcohol, pure ...	6,877	Oxide of zinc ...	2,106
Oil, fish ...	2,059	Carbonate of soda ...	25,489
" coconut ...	1,868	Ricarbonate of soda and	1,367
" palm ...	10,053	potash ...	1,434
" castor ...	867	Chloride of potash ...	2,101
" ground-nut ...	2,182	Chromates and bichro-	0
Benzol, toluol, xylol ...	291	mates of soda and	
Heavy oils, mineral,		potash ...	488
rosin, and tar ...	42,171	Nitrate of potash ...	237
Essential oils ...	128	Permanganate of soda	28
<i>Colonial Produce, Spices, Tobacco.</i>			
Molasses ...	1,891	and potash ...	93
Sweets and jams ...	314	Sulphate of alumina ...	1,250
Cocoa powder or paste	877	" soda ...	5,019
" butter ...	637	Silicate of soda or potash	1,468
Chocolate ...	576	(liquid) ...	1,907
Tobacco leaf ...	21,202	Silicate of soda or potash	1,544
Cigarettes ...	3,633	(solid) ...	2,990
Cigars ...	784	Platinum and gold salts	
<i>Chemicals, Drugs, Gums, Perfumes.</i>			
Acid, acetic, 98 per cent.	292	(kilos.) ...	342
or above ...	67	Perchloride of tin ...	122
Acid, carbolic ...	77	Acetate of lime ...	921
" nitric ...	950	Acetates and pyrolig-	
" oleic ...	1,753	nites ...	200
" salicylic ...	38	Aniline and salts ...	96
" stearic ...	586	Quinine salts ...	65
" tannic, impure ...	11,290	Alkaloids ...	25
Acids, fatty ...	278	Drugs (barks, leaves,	
Ammonia ...	1,594	roots, etc.) ...	721
Caustic soda (impure)...	19,273	Perfumes ...	488
	6,341	Paraffin (solidified) ...	18,581
		Gums, resins, resinous	2,998
		gums ...	1,682
		Soap ...	3,922

WHAT ITALY IS SELLING.

Exports during seven months of 1920—Amounts in metric tons, liquors in 1,000 litres, except where otherwise indicated.

Amounts exported to	All British Count- tries Em- pire	Amounts exported to	All British Count- tries Em- pire
<i>Spirits, Liquors, Alcohol, and Oils.</i>			
Mineral waters...	1,376	Caustic soda ...	1,806
Wines in cask, Marsala	747	Oxide of iron ...	1,621
Other wines...	39,084	" zinc ...	858
Vermouth ...	5,218	Carbonate of lead ...	211
Wines in bottle ...	721	Chloride of lime ...	2,964
Sparkling (1,000's)	123	Perchloride of mercury	48
Other wines of	1,579	Sea salt and rock salt ...	74,982
Vermouth (bottles)	2,937	Sulphate of copper ...	4,519
Oil, olive, washed or		? Carbon disulphide ...	908
sulphured ...	7,970	Calcium carbide ...	2,146
Oil, olive, other ...	820	Glycerin ...	1,859
Essence of orange ...	51	Citrate of lime ...	6,650
" bergamot ...	118	Tartar (raw) ...	5,189
" lemon ...	435	Wine lees ...	161
" peppermint ...	3	Cream of tartar ...	390
Essence, other ...	54	Liquorice root ...	500
<i>Colonial Produce, Spices, Tobacco.</i>			
Sweets and preserves...	91	Laurel leaves ...	412
Candied fruit and peel...	1,376	Medicinal barks, leaves,	
Chocolate ...	785	roots, etc. ...	1,728
<i>Chemicals, Drugs, Gums, Perfumes.</i>			
Acid, boric ...	625	Manna ...	232
" citric ...	1,303	Citrus tree bark ...	12,480
" tannic, impure ...	609	Liquorice juice...	1,027
" tartaric ...	1,743	Soap ...	4,591
	717	Candles, stearin ...	734
		" paraffin ...	1,994
		Matches, wood ...	612
		" stearin, wax ...	295
		Gas mantles (1,000's) ...	953

It will be seen from the above figures that Italy purchased 721 metric tons of crude drugs, of which 178 metric tons was supplied by the British Empire. Hitherto Italy has complained of the high prices she has had of necessity to pay England for drugs like *ipecauanha*, *rhubarb*, *cascara*, *senega*, and so on, and no doubt endeavour will be made to obtain supplies more directly from the source. Germany is evidently again establishing her pre-eminence in the supply of pharmaceutical chemicals—e.g., only two tons of salicylic acid out of 38 was supplied by Britain. Moreover, the quantity of heavy chemicals (caustic soda, carbonate of soda, sulphate of soda, etc.) supplied by this country is only small, when the large totals are

considered. The foregoing figures should be compared with those in our issue of September 18, 1920 (p. 68), in an article dealing with the Italian chemical pharmaceutical industry. There appears to be considerable room for improvement in our volume of trade with Italy, but, as is well understood, the adverse exchange encourages buying from German sources, and negotiations are taking place between the German and Italian Governments for establishing new and more favourable import and export tariffs.

The Depression in Turpentine.

SEEING that the price of both American oil of turpentine and resin has fallen persistently for several months past, and the current level is already well within pre-war higher levels, the position has naturally aroused more attention having regard to the intrinsic merits of these commodities. American trade conditions have naturally a considerable bearing on market sentiment, especially in the case of turpentine, and the mere fact that these conditions appear to have seen their worst, and that any material change should be for the better, has obviously encouraged the idea that the British market has about touched the bottom. At the same time, there is still no sign of any revival of speculative enterprise, the lack of which is due to dear money and the enormous losses that were sustained by the liquidation of speculative contracts entered into last year at a highly inflated level of prices. In discussing the prospect of an eventual upward reaction from the current price of 47s. per cwt., one cannot help recollecting the fact that turpentine at about this time last year was selling at 220s. per cwt., after having been as high as 240s., and that several years prior to the war spot delivery actually sold up to as much as 71s. when the forward quotations were at a discount running into over 15s. per cwt. Squeezing tactics and shortness of stock were, of course, then chiefly responsible for that comparatively high figure, while a fair pre-war average was about 35s. under normal supplies. One factor which has tended to impel the continuation of a cautious feeling for a while, in spite of the approach of the end of the old-crop season, is that prices have remained entirely in buyers' favour, even for spot delivery, this being in sharp contrast to the marked stringency which has usually been experienced in past years for the filling of immediate and near requirements. Yet there is reason to believe that the urgent liquidation which prevailed in recent months has now well spent itself, and that given a little revival of speculative interest the market might be aroused from its present lethargic condition, although the effect of the increased American production last year under the very high price is presumably still being felt in the shape of accumulations in the United States, due to the much smaller exports to European countries and elsewhere. A case in point is Germany, which country prior to the war was usually a large importer of American spirit, whether through this market or direct, whereas her importations have this season been entirely negligible. It is quite obvious that the future of the American industry depends largely on the rehabilitation of the world's commerce, which can only be attained under improved economic conditions or through the establishment of more normal international credit facilities. Meanwhile, healthier conditions have become apparent in the matter of supply and demand in turpentine as well as resin. The stocks on this side have been eaten into rather substantially this year, thanks to more liberal deliveries to consuming centres. The legitimate

outlet has been undoubtedly considerably stimulated by the establishment of relatively low prices under constant liquidation ex stocks, partly due to financial reasons. The London stocks of turpentine have fallen by roughly 20,000 barrels from the highest returns recorded a few months ago, the latest returns amounting to 27,363 barrels, including 1,747 barrels of Spanish spirit. This total is not very heavy, but, nevertheless, well above the quantities usually available at this time of year on the approach of the new season's crop. Our imports of turpentine for last year and for the first three months of this year, compared with the corresponding periods of 1913 and 1919, are as follows:

				1913		1919		1920
Tons	...	...	...	23,017	...	22,742	...	22,559
				January—March				
				1913		1920		1921
Tons	...	...	...	3,824	...	1,964	...	1,903

It will be seen that last year's imports were almost as large as those for the previous year, although materially under the returns for 1913, when prices were approximately normal. The limited imports again this year are easily explained by the formidable fall in the price. Importers are presumably not yet keen in committing themselves to new shipping contracts until the aspect of the market can be more accurately gauged, but in view of the fact that deliveries into consumption are more promising, and that it is probable that the use of substitutes which assumed considerable prominence during the long period of inflated prices has of late been appreciably reduced, some upward reaction in the near future is not unlikely. So far as can be gathered, the serious depression which has prevailed in the American industry within the last six months has induced efforts to be made on the part of distillers to bring about an understanding with a view to cutting down production in the coming season. It is therefore suspected that, in the event of any material reduction in the output, the market will become very sensitive and lead to the fixing of a premium on forward contracts pending the disposal of old American stocks, which may be very considerable. The much-increased American production under the stimulus of a fabulously high price having, with the severe industrial depression, resulted in a serious disorganisation of the industry, its position can hardly be materially restored except by a curtailment of operations. This, combined with an eventual widening of the world's outlet, would, of course, make for an upward fluctuating market, not only in turpentine but also in resin. The price of the latter lately dropped to about 17s. to 21s. per cwt., thus denoting a depreciation of about 40s. to over 50s. per cwt. compared with the level reached at this time last year. Our imports of resin for 1920 and for January-February this year, with comparisons, were as under:

				1913		1919		1920
Tons	...	...	...	87,903	...	69,021	...	60,476
				January—March				
				1913		1920		1921
Tons	...	...	...	18,342	...	15,907	...	6,835

These figures unmistakably reveal the fact that trade requirements were considerably reduced already in the past year on account of abnormally high prices, while the falling-off so far this year has been still more striking. This must eventually be rectified at the current level of values when conditions in general trade begin to mend. For the present, all industries are suffering more or less from the disorganisation due to the coal crisis, and consumers are holding back new orders.

New Insurance Dispensing Terms.

THE following is a copy of the letter from the Ministry of Health referred to in last week's *C. & D.*, p. 57:

I am directed by the Minister of Health to refer to your letter of November 24 last, and to the subsequent discussions with representatives of your Committee, with reference to a revision in the terms of service for chemists supplying drugs and appliances to insured persons. The Minister has given the fullest consideration to the proposals submitted by your Committee and is satisfied that a case has been made out for some addition to the existing dispensing fees, and has decided, with the concurrence of the Treasury, to approve the payment of increased remuneration in accordance with the revised scale of dispensing fees set out on the attached schedule, as from April 1, 1921. It should, however, be clearly understood that this decision has been arrived at in the light of the conditions prevailing during the last twelve months, and in the event of the present fall in the cost of living being continued it will be necessary to review it at an early date. It will be observed that the scale is in many respects the same as that put forward by your Committee. The Minister is, however, unable to acquiesce in the suggestion that no differentiation should be made between the fees for compounds which are ordinarily freshly prepared by the chemist and those which may reasonably be expected to be kept in stock, and provision has been made in the schedule that a fee of 40*d.* shall apply (*inter alia*) to any order for any drug or preparation specified in the table of drug prices. In this connection it has been necessary to revise the table with a view to including therein certain additional preparations which may reasonably be expected to be kept in stock. This, as you are aware, has been done in consultation with representatives of your Committee. The question of including in, or excluding from, the table of drug prices, preparations or classes of preparations, will be subject to periodical review, after similar consultation. The limit which is thus placed on the number of drugs and preparations to which a reduced fee is applicable will, it is understood, remove the chief objection which your Committee urged against the existing arrangements—viz., that chemists are often in doubt as to the precise fee to which they are entitled in respect of a particular preparation. As regards ingredient prices, the prices shown in the table of drug prices will continue as hitherto to be revised monthly by the Department, in consultation with the body representing Insurance chemists. In order that chemists may be aware as to the method adopted by pricing bureaux in regard to the calculation of ingredient prices in the case of certain classes of compounds not included in the table of drug prices, additional explanatory notes are being incorporated in Part I. of the Drug Tariff. With regard to the "ex-concentrated" preparations the Department have decided to discontinue, with the coming into force of the revised Tariff, the use of distilled water in all medicated waters, decoctions, and infusions prepared from the concentrated compounds. On and after April 1, therefore, the prices for these preparations will be calculated without reference to the price for distilled water. The granting of the additional remuneration, which will result from the application of the revised terms set out above, is conditional upon a satisfactory and adequate pharmaceutical service being secured, including improved arrangements for securing that drugs, etc., are supplied of the proper standard and in the prescribed quantities, and it is understood that your Committee will be prepared to recommend Insurance chemists throughout the country to accept service on these terms, as being fair and reasonable. I am to add that Insurance Committees are being asked to circulate to all Insurance chemists a copy of this letter, together with the revised Tariff, copies of which are enclosed herewith.

Scale of Dispensing Fees.

	Pence per Prescription
1. Liquid medicaments: All classes of compound liquid medicaments, excluding those referred to under 3 and 6 below	6.0
2. Solid medicaments, excluding those referred to under 3 and 6 below:	
(1) Ampoules, bougies, pessaries, and suppositories (not exceeding twelve)	12.0
Each extra dozen or part of a dozen	2.0
(2) Blisters and plasters	6.0
(3) Caehets:	
Not exceeding six	3.0
Each extra half-dozen or part of half-dozen	2.0
(4) Capsules, pastilles, lozenges, and tablets:	
Not exceeding twenty-four	6.0
Each extra two dozen or part of two dozen	2.0
(5) Confections, ointments, and pastes	6.0
(6) Pills:	
Not exceeding twenty-four	3.0
Each extra two dozen or part of two dozen	2.0
(7) Powders:	
Over one and not exceeding six	6.0
Each extra half-dozen or part of half-dozen	2.0
(8) Powders, mixed bulk, and granules	6.0
3. Any solid or liquid drug or preparation specified in the table of drug prices (see note (a))	4.0
4. Any non-compound liquid or solid drug ordered alone	4.0
5. Appliances	3.0
6. Proprietary preparations supplied without dilution or admixture	4.0
7. Serums and vaccines (see note (b))	4.0
8. Oxygen (see note (c))	9.0

(a) The fee of 4.0*d.* will apply, *inter alia*, to any order for any solid or liquid drug or preparation specified in the table of drug prices, except where (1) the order specially indicates that the medicament is to be freshly compounded or prepared by the chemist, or (2) in the case of a powder priced in the table by weight, the order requires the medicament to be prepared by the chemist in separate doses.

(b) In addition to the fee of 4.0*d.*, the actual out-of-pocket expenses will be payable to the chemist in the case of serums and vaccines. Particulars of the claim for any expenses incurred under this head must be made on the prescription form and endorsed by the chemist.

(c) In addition to the fee of 9.0*d.*, the following allowances will be payable in the case of oxygen:

- (1) For use by patient of cylinder: 9.0*d.* per week (or part of a week) after the first fourteen days.
- (2) For use by patient of fittings: 9.0*d.* per week (or part of a week).

(3) The actual carriage charges, if any, to the chemist.

Particulars of claims for fees under (1), (2), or (3) must be made on the prescription form, its transmission to the Pricing Office being delayed, if necessary, until the total amount of the claim is ascertainable. The payment of the additional fees is subject to the condition that, should the fittings or cylinder be retained by the patient for a period exceeding fourteen days, immediate notice to this effect is given to the Insurance Committee, the prescription form being endorsed accordingly.

ADDITIONS TO THE TABLE OF DRUG PRICES.

Aq. laurocerasi	Ext. thyroid. liq.
" sambuci ex conc.	Glyc. plumbi subacet.
Boroglycerin., B.P.C.	Guaiacol liq.
Capsul. creosoti, mj.	Inf. chiritæ ex conc.
" creosoti, mlij.	" scoparii ex conc.
" ol. santal, mv.	" uvæ ursi ex conc.
Carbo liq. pulv.	Lini sem. contus., E.F. (14-lb. lots)
Chartæ sinapis	Lin. aconit. co., B.P.C., meth.
Chlorodynum, B.P.C.	" album, B.P.C.
Collod. meth.	" methyl sal., B.P.C.
Dec. aloes co. conc. (1 to 2)	Liq. ammon. acet. fort. (1 to 4)
Elixir acetomorph. et terpin.	" coeci, B.P.C.
B.P.C.	" copah. et buchu et cubeb.
Emuls. chlorof., B.P.C.	B.P.C.
Ext. colchici liq.	" ferri acet.
" grindel. liq.	" pancreaticis
" hamamel. liq.	" rosæ dulc.
" hydrast. liq.	" santal. co., B.P.C.
" ipecac. liq.	Ol. carbolat. 5 per cent.
" malt. liq., B.P.C.	" cinnam.
" nuc. vom. liq.	" cubebæ
" opii liq.	

<i>Ol. limonis</i>	<i>Tinct. ergot. ammon.</i>
<i>Pul. aloin co., B.P.C.</i>	<i>guaiaci, B.P.C.</i>
" <i>calomel. et colocynth., B.P.C.</i>	" <i>hydrastis</i>
" <i>calomel. coloc. et hyos., B.P.C.</i>	" <i>iodi decolorat., B.P.C.</i>
" <i>codeinæ, gr. 1/2</i>	" <i>jaborandi, '98</i>
" <i>ferri et arsen., B.P.C.</i>	" <i>krameria</i>
" <i>ferri valer. co., B.P.C.</i>	" <i>limonis</i>
" <i>hyd. c. rheo, B.P.C.</i>	" <i>lobelia, '85</i>
" <i>morph. hyd., gr. 1/2</i>	" <i>myrrha</i>
" <i>pulv. opii, gr. 1/2</i>	" <i>podophylli</i>
" <i>pulv. opii, gr. 1</i>	" <i>pruni virg.</i>
" <i>scillæ co.</i>	" <i>quillaia</i>
<i>Pulv. catechu co.</i>	" <i>quinina</i>
" <i>scammon co.</i>	" <i>senegæ</i>
" <i>stramon. co., B.P.C.</i>	" <i>stramon.</i>
<i>Quin. salicyl.</i>	" <i>sumbul.</i>
<i>Salicin</i>	" <i>valerian., '85</i>
<i>Sod. citras</i>	" <i>zingib. fort., '85</i>
" <i>glycerophos.</i>	<i>Troch. bismuthi co.</i>
" <i>hypophos.</i>	" <i>glycyrrh., B.P.C.</i>
<i>Sp. ammon. fetid.</i>	" <i>kino eucalypt.</i>
" <i>anisi</i>	" <i>krameria</i>
" <i>cajuputi</i>	" <i>kramer et cocain.</i>
" <i>camph.</i>	" <i>morph. et ipecac.</i>
" <i>menth. pip.</i>	" <i>sulphuris</i>
<i>Succus bellad.</i>	<i>Ung. boracis, B.P.C.</i>
" <i>coni</i>	" <i>calamina, '85</i>
" <i>hyoscyam.</i>	" <i>capsici</i>
<i>Syr. ipecac., B.P.C.</i>	" <i>gallæ</i>
" <i>papav., '85</i>	" <i>hamamel.</i>
" <i>rheoads</i>	" <i>hyd. subch.</i>
<i>Tab. acetanilid., gr. v.</i>	" <i>ichthamol., B.P.C.</i>
" <i>Bland, gr. v.</i>	" <i>iodi denigres., B.P.C.</i>
" <i>Bland, gr. v., et arsen., gr. 1/100</i>	" <i>metallorum, B.P.C.</i>
" <i>calc. lact., gr. v.</i>	" <i>methyl sal., B.P.C.</i>
" <i>hexamina, gr. v.</i>	" <i>methyl sal. co., B.P.C.</i>
" <i>laxativ. co.</i>	" <i>methyl sal. co. dil., B.P.C.</i>
<i>Tinct. aloes</i>	" <i>methyl sal. dil., B.P.C.</i>
" <i>bryonia</i>	" <i>pilis carb. co., B.P.C.</i>
" <i>bucha</i>	" <i>plumbi acet.</i>
" <i>calumb.</i>	" <i>plumbi subacet.</i>
" <i>carmin., B.P.C.</i>	" <i>resorcin., B.P.C.</i>
" <i>chlorof. co., '85</i>	" <i>resorcin co., B.P.C.</i>
" <i>cinicifugæ</i>	" <i>" scarlet red," 5 per cent.</i>
" <i>cinchonæ</i>	" <i>simplex</i>
" <i>colchici</i>	" <i>sulph. co., B.P.C.</i>
	<i>Vin. ferri</i>
	" <i>pepsin, B.P.C.</i>

CHANGES IN SPECIFICATIONS IN THE TABLE OF DRUG PRICES.

The following alterations were to come into force on April 1, 1921. The titles and descriptions of certain drugs will be amended to read as follows:

<i>Acid. acetylsal.</i>	<i>to read</i>	<i>Acid. acetylsal. pulv.</i>
" <i>salicyl.</i>	"	" <i>salicyl., B.P.</i>
" <i>tartaric</i>	"	" <i>tartaric. pulv.</i>
<i>Alum purif.</i>	"	<i>Alum purif. pulv.</i>
<i>Amylum (maize)</i>	"	" <i>Amyli pulv. (maize)</i>
<i>Calamina</i>	"	" <i>Calamin. præp. levig.</i>
<i>Calc. carb. præcip.</i>	"	" <i>Calc. carb. præcip. (7-lb. lots)</i>
<i>Ferri sulph.</i>	"	" <i>Ferri sulph. pur.</i>
<i>Iodoform</i>	"	" <i>Iodoform. pulv.</i>
<i>Iodum</i>	"	" <i>Iodum resublim.</i>
<i>Ol. amygd.</i>	"	" <i>Ol. amygd., B.P.</i>
" <i>lini</i>	"	" <i>lini, B.P.</i>
" <i>santal.</i>	"	" <i>santal., B.P.</i>
<i>Plumbi acet.</i>	"	" <i>Plumbi acet. pur.</i>
<i>Sacch. lact.</i>	"	" <i>Sacch. lact. pulv.</i>
<i>Sapo mollis</i>	"	" <i>Sapo mollis, B.P.</i>
<i>Sennæ fol.</i>	"	" <i>Sennæ fol. Tinn.</i>

What the New Terms Mean.

It is difficult, writes a correspondent, to gain a correct idea of the net result of the dispensing terms which come into operation as from April 1, 1921, without a close examination of the new figures and clauses which will form part of the new Tariff. There are some modifications in principle, as well as alterations in the actual figures, and it is probable that the actual gain to the chemist will not be ascertainable until the new terms have been in force for some time, and the cost of dispensing-fees for the second quarter of the year can be compared with the cost of fees for the first quarter for any given area and for the same number of prescriptions. If the new terms are viewed as a whole, one or two definite advantages to the chemist are apparent. These proposals will have the effect of still further standardising the methods adopted by the Pricing Offices for pricing prescriptions. One of the complaints previously made by chemists was that it was difficult for them to ascertain exactly what fees—extemporaneous or stock—were given for certain preparations. The aim of the Ministry of Health now has been to fix the fees for various classes of medicaments in such a way that chemists need be in no doubt

as to the precise fee to which they are entitled in respect of any preparation. It is still contended, however, on behalf of the Ministry that some differentiation should be made between the fees payable in respect of compounds which are ordinarily freshly prepared by the chemist and those which may reasonably be expected to be kept in stock, and for this cause provision has been made for the payment of a fee of 4d. in the case of any drug or preparation specified in the Drug Tariff. The old arrangement by means of which ten stock mixtures might be selected by the Panel Committee—which mixtures were to take a reduced fee—has been abolished, but certain preparations other than mixtures have been added to the Drug Tariff in order to bring them within the scope of the fee of 4d.

In consultation, therefore, with pharmacists' representatives, the Ministry have revised the Drug Tariff and have included in the list these additional preparations, which may reasonably be expected to be kept in stock. But this action will at least have the effect of limiting the number of preparations to which this reduced fee will apply. Moreover, Pharmaceutical Committees have known for some time that the pricing lists and memoranda issued by the Ministry of Health to Pricing Offices have included certain preparations not included in the Drug List, but to which the same principles were applied in pricing as to the drugs actually listed in the Tariff. The list of additional preparations now issued contains a large number of those which were included in the pricing memoranda, and therefore the actual difference to the chemist will not be so great as appears at first sight. Provision is made further for the pricing of those preparations which are still not included in the Drug Tariff, so that the pricing of prescriptions in general will now be carried out more by definite Tariff rules than by the discretion of the Pricing Office.

So far as the pricing of ingredients is concerned, those prices which are included in the Tariff are still to be revised monthly in consultation with chemists' representatives, and in order that chemists may know what methods are adopted in the case of such preparations as are not included in the Tariff the following procedure is laid down:

All drugs and preparations specified in the Drug Tariff are to be priced in accordance with the prices shown therein, except where the prescription specially indicates that the medicament is to be freshly compounded or prepared by the chemist when the cost price of each ingredient of the medicament will be calculated. The cost price of each ingredient is to be calculated in the case of the following preparations, except (1) where the preparation is included in the table of drug prices, and is not required to be freshly compounded, and (2) in the case of a proprietary preparation:

Cachets; confections; emulsions; gargles; inhalations; injections; liniments; lotions; mixtures; mouthwashes; ointments; paints; pastes; pills and suppositories.

The ingredient prices for preparations not classified above are to be calculated in accordance with the cost price for the manufactured article as specified in a wholesale "net" price-list, agreed upon locally between the Insurance Committee and Pharmaceutical Committee, and notified to the Ministry of Health.

An important alteration which should be noted by chemists is this: Hitherto the prices of aromatic waters, decoctions, infusions, etc., which are made from "ex. conc." preparations have been calculated as if the vehicle used for dilution was aq. dest., but in future the prices of these are to be calculated as if aq. font. were used in their manufacture from the "ex. conc." preparation.

Probably the gain which chemists will appreciate most is the abolition of the stock-mixtures clause which was introduced into the 1916 Tariff. In future all mixtures, except those included in the Tariff, will take the extemporaneous fee of 6d. This is a gain in principle, as well as a gain in cash, and it is extremely unlikely that this clause now deleted will ever find its way back into the Tariff. To balance this gain, on the other side there is the loss in fees by the addition of 135 preparations to the Drug List. These have already been referred to, and include: (2) Waters, (3) capsules, (9) liquid extracts, (3) concentrated infusions, (3) liniments, (7) liquors, (4) oils, (11) pills, (3) compound powders, (5) spirits,

(3) juices, (3) syrups, (6) tablets, (27) tinctures, (7) lozenges, (21) ointments, and (2) wines. The names of seventeen drugs already included in the Tariff have been qualified by the addition to the title of a description which will more clearly specify the quality of the drug which is to be dispensed. Coming now from a general survey of the new conditions to a detailed examination of the revised scale of dispensing-fees, it will be useful to contrast the old and the new figures in the following table:

COMPARISON OF DISPENSING-FEES, 1920-1921.

Preparation	Old Scale Fee	New Scale Fee
	d.	d.
Compound liquid medicaments ...	5'4	6'0
Emulsions ...	7'2	—
Ampoules, bougies, pessaries and suppositories:		
Not exceeding 6 ...	11'4	—
Not exceeding 12 ...	13'2	12'0
For each extra dozen or part ...	1'8	2'0
Blisters ...	7'2	6'0
Plasters ...	11'4	6'0
Cachets, not exceeding 6 ...	7'8	8'0
For each extra ½ doz. or part ...	1'8	2'0
Capsules, pastilles, lozenges:		
Not exceeding 6 ...	11'4	—
Not exceeding 12 ...	13'2	—
Not exceeding 24 ...	15'0	6'0
For each extra doz. or part ...	1'8	—
For each extra 2 doz. or part ...	—	2'0
Tablets:		
Not exceeding 12 ...	14'4	—
For each extra doz. or part ...	1'2	—
Not exceeding 24 ...	—	6'0
Each extra 2 doz. or part ...	—	2'0
Confections, ointments and pastes ...	6'6	6'0
Pills, not exceeding 24 ...	9'6	8'0
Each extra 2 doz. or part ...	1'8	2'0
Powders (weighed doses) ...		
Over 1 and not exceeding 6 ...	6'0	6'0
Each extra ½ doz. or part ...	—	2'0
Each extra doz. or part ...	1'8	—
Powders (mixed bulk) ...	6'0	6'0
Granules ...	16'8	6'0
Any non-compound solid or liquid drug ordered alone ...	3'9	4'0
Any solid or liquid drug or preparation specified in Drug Tariff ...	3'9	4'0
Appliances ...	2'4	3'0
Proprietary preparations ordered alone ...	3'9	4'0
Serums and vaccines ...	9'1	4'0
Oxygen ...	9'1	9'0

It will be noticed in the case of such preparations as ampoules, capsules, tablets, powders, etc., that the rates by which the dispensing-fees increase have been modified. For instance, the old scale provided for an extra fee of 1.8d. when twelve capsules or suppositories were supplied, instead of six, but the new scale only gives an extra fee of 2d. for an increase by dozens in the case of suppositories and by two dozens in the case of capsules. Another is that in estimating the effect which the new fees will have on the drug-accounts the number of times each class of preparation is ordered must be taken into account. Certain fees have been altered very considerably, both up and down, but chemists must not be unduly influenced by these reductions, because it is possible that the actual effect is negligible. For instance, the old tablet fee was 14d. and the new one is 6d., apparently a great reduction, but when it is remembered that a prescription for extemporaneous tablets is comparatively rare this reduction does not greatly affect the amount of the drug-accounts. Some attempt has been made to fix the number of times prescriptions for the various classes of medicaments occur. The percentages shown will not be the same possibly for any two chemists, they will not be exact for two different areas, but they will probably be found to be sufficiently approximate to serve as a basis of calculation for the sake of comparing the old and the new terms.

EFFECT OF ALTERED FEES.

Table showing (1) the classes of preparations into which prescriptions may be roughly divided; (2) the number of times each class of prescription occurs in 100 prescriptions; and (3) the effect which the new terms have on the dispensing fee for each class:

Class of Preparation	Approximate Percentage	Modification of Dispensing-fee
Mixtures ...	75	d. Increased 0'6
Other liquids, such as gargles, mouth-washes, lotions, liniments, etc. ...	6	" 0'6
Appliances ...	5	" 0'6
Ointments ...	3	" 0'6
Pills ...	3	Reduced 1'6
Powders ...	2	Unaltered —
Tablets ...	2	Reduced 6'0
All other preparations, such as:		
Ampoules, bougies, blisters, cachets, capsules, lozenges, pastilles, plasters, pessaries, suppositories, oxygen, serums, vaccines ...	4	Various modifications

Having regard to the occurrence of prescriptions for different classes, it will be realised that the mixture-fee is by far the most important one, and that the fees for the next four classes of medicaments are really the only ones which have much influence in the final cost of prescriptions. The fee for pills has suffered considerable reduction, but in all probability this will be more than compensated for by the increase in the stock-mixture fee, for whereas the fee for ordinary mixtures has been increased by 0.6d. the fee for that class of mixture which was covered by the stock-mixture clause, and took a reduced fee of 4.7d., has been increased by 1.3d. to 6d., and in some areas it is believed that this class of mixture was very frequently prescribed.

On the whole, therefore, the new terms would appear to be an improvement on the old terms, but the actual gain can only be ascertained with any degree of accuracy when some experience has been gained of the total cost of prescriptions under the new arrangements.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, April 18.

Manchester and Salford Chemists' Assistants' Association, Albion Hotel, Piccadilly, at 8.15 p.m. Meeting.
Royal Society of Arts, John Street, Adelphi, London, W.C. 2. Dr. S. Judd Lewis on "Recent Applications of the Spectroscope and the Spectrophotometer to Science and Industry" (Cantor Lecture II.). (Lecture III. on the following Monday.)

Wednesday, April 20.

Birmingham Pharmaceutical Association, Boots, Ltd., Café, Colmore Row, at 7 p.m. Whist-drive. Tickets (2s. 6d. each) from the Secretary. The whole of the ticket receipts will go to the Pharmaceutical Society Benevolent Fund.
London (Western) Pharmacists' Association, Pinoli's Restaurant, Wardour Street, London, W., at 8.30 p.m. Discussion, "General Topics."
Sheffield Pharmaceutical and Chemical Society, Literary and Philosophical Society's Rooms, at 8.30 p.m. Mr. A. J. Jones (Evans Sons Lescher & Webb, Ltd.) on "Some Standards for Pharmaceutical Preparations."

Thursday, April 21.

Chemical Society, Burlington House, Piccadilly, London, W., at 8 p.m. Researches on Piperitone, Part I., by Messrs. J. Read and H. G. Smith, and eleven other papers.
National Association of Women Pharmacists (London Group), at Dr. Williams' Library, Gordon Square, W.C. 1, at 8 p.m. Annual meeting.
West Midland Federation of Pharmaceutical Associations, Swan Hotel, Stafford, at 5.15 p.m. Members' meeting. Tea at 4.30. Dinner, at 6 p.m., to Mr. T. W. Garland. Tickets (7s. 6d. each) from Mr. C. H. Trotter, Hon. Secretary.

Friday, April 22

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W. 1, at 9 p.m. Sir James Walker on "Electro-Synthesis in Organic Chemistry."

Qualifying Examination Results.

THE following are the results of the Pharmaceutical Society's examinations held this month:

LONDON.

Qualifying Examination.

	No.	PART I.		PART II.	
		Absent	Passed	Absent	Passed
Entered for whole Examination ...	129	9	50	4	19
Entered for Part II. and referred subject in Part I. ...	38	—	25	—	9
Entered for Part I. only ...	34	—	20	—	—
Referred subject in Part I. only ...	1	—	1	—	—
Entered for Part II. only ...	56	—	—	3	18
Referred subject in Part II. ...	58	—	—	—	34
	316	9	96	7	80

Referred in one subject: Botany, 7; Chemistry, 17; Physics, 4; Materia Medica, 10; Pharmacy, 38; Poison Law, 1. Total, 77.

PART I.

The following have satisfied the examiners:

Adams, David, Benone	Griffiths, H. J., Sheffield
Allen, W. D., Oadby	Hadfield, C. E., High Barnet
Alston, Elsie, Colwyn Bay	Hart, A., Bolton
Amos, C. R., Warley	Hile, W. J. R. B., Ilford
Anslow, W. E., Stockwell	Hoff, Ena M., Leominster
Anthony, Elizabeth A., Abercynon	Hogg, W. G., South Shields
Astin, H. W., Surbiton	Hubball, G., Walsall
Badrock, E., Pendleton	Ingledeu, Eliza M., Cardiff
Blankley, A. W., Brierley Hill	Jackson, J. R., Crediton
Blanks, Kathleen A., Braintree	Jenkins, G. O., Denbigh
Boyd, Ella, Rochester	Lambert, G. H., Pietermaritzburg
Brice, F. S. W., Felixstowe	Lewis, D. H., Mardy
Brocklebank, Celia E., Caton	Lloyd, Claudia E., Liverpool
Brown, F. A., South Shields	Lockwood, F., Salford
Carrington, O. L., Chipping Norton	Luntz, H., Cape Town
Chadwick, Elsie M., Stockport	Mockford, G. M., Brighton
Chapman, Marjorie M., Finchley	Morris, J. R., Leicester
Coles, Alice M., Preston Park	Naylor, J., Bamber Bridge
Cowling, Georgina, Mumbles	Newey, W. V., Bromsgrove
Davey, C. A., Shoreham	Oakes, J. L., Derby
Davies, E. B., Wem	Parry, J. R., Bangor
Ellis, R. I., Corwen	Phillips, Edward, Penycye
Farmer, Kathleen C., London	Pritchett, G. A., Birmingham
Fielding, N. Glossop	Pugh, Irene G., Swadlincote
Fox, A. E., Newport, Mon.	Rendell, Evelyn D. C., Cardiff
	Rolfe, Dorothy J., Halifax
	Sergeant, W. E. A., Thornton Heath

Shepherd, G. F., Sheffield
 Simister, R. W. K., Leicester
 Smith, E. C., Stapleford
 Spencer, F. J., Stratford-on-Avon
 Stone, V. J., Leicester
 Targowsky, I., Clapham
 Taylor, J. J. F., Acock's Green
 Taylor, S. P., Fishponds

Thomas, C. G., Cardiff
 Thomas, Ruth E., Haverfordwest
 Tomes, C. E., East Ham
 Walton, J. W., Worsley
 Warren, C. M., Barry
 Whalvin, W. A. S., Nottingham
 Whitby, Lucy H., Heatley
 Wingfield, Marjorie M., Bolton

PART II.

The following, having satisfied the examiners in Part II., have been registered as chemists and druggists:

Bacon, J., Mickleover	Jenkins, H. M., Treforest
Benazon, I., Maida Hill	Jones, G. M., Tonypandy
Bond, Phoebe G., Brecon	Joy, A. C., Hornsey
Boulton, Beryl, Stanford-le-Hope	Laycock, E., Hurlingham
Briggs, E. A., Sheffield	Levy, N. L., London
Bruce, Dorothea, Chisworth	Lloyd, J. M., Carmarthen
Burbidge, A. J., Devizes	McMyn, J., Blackburn
Costin, A. G., Dunstable	Main, J. O., Malvern
Cox, J. A., St. Leonards	Mitchell, L. B., Morecambe
Curtis, A. P., Colchester	Moorhouse, H. H., Blackpool
Dishman, G. A. C., Stockport	Morris, S. G., Trowbridge
Foster, D. A. C., London	Moulds, F. W., Nottingham
Francis, G. T. R., Wrexham	Naylor, S. R., Coventry
Frank, A., Cape Town	Ormrod, T. E., Wigan
Gill, W. F. E., Bristol	Perrins, W. T. M., Bristol
Gray, Gordon, Harrogate	Robinson, G., Forest Hill
Hall, F., Sandbach	Smith, W. L., Cinder Hill
Hayes, B. G., Mansfield	Sturges, Hilda M., Leicester
Hoare, R. J., Weybridge	Swann, H. C., Shrewsbury
Hodgson, E., Blackpool	Thomas, J., Oxford
Holland, F. A., Macclesfield	Varley, E., Horwich
Hollins, Evelyn M., Gateshead	Walker, H. B., Barnet
Howell, L. J., Newport, Mon.	Westcott, K. C. H., Bristol
Illingworth, Nora A., Manchester	Williams, D. E., Leicester
Jenkins, Alice G., St. Clears	Wilson, D. W. R., West Kirby
	Woodcock, Constance M., Great Yarmouth
	Woolwich H., Liverpool

PARTS I. AND II.

The following, having satisfied the examiners in Parts I. and II., have been registered as chemists and druggists:

Davies, T. J., Aberystwyth	Jones, O. H., Llandudno
Davis, E. J., Bournemouth	Morgan, Dorothy M. L., Brighton
Dewar, J. A., Llandudno	Morrey, S. W., Rayleigh
Ecob, C. H., Melton Mowbray	Pearson, Elizabeth, Lowdham
Edmonds, R. J. T., Folkestone	Phethean, A. N., Great Crosby
Gaskell, A. S., Hull	Richards, T. D., Great Missenden
George, W. F., Brooks's Bar	Rose, H. F., Southsea
Green, W. S., Leicester	Rose, J. O., Plumstead
Hague, Gertrude L., Lincoln	Scott, David, Arbroath
Hazelby, Helen, Ringwood	Sharp, R., Blandford
Hemansley, B. F., Douglas	Simpson, C., Manchester
Hobday, R. S., Wynberg	Stanyon, C. R., Kelton
Jeyes, J. T. P., Kew Gardens	Thomson, H. F. W., Burton-on-Trent
Johnson, Mary E. A., Cardiff	Willoughby, T. M., Falmouth

EDINBURGH.

Major Examination.

Candidates, 3; passed, 0; failed, 3.

Qualifying Examination.

	No.	PART I.		PART II.	
		Absent	Passed	Absent	Passed
Entered for whole Examination ...	53	3	32	4	19
Entered for Part II. and referred subject in Part I. ...	11	1	8	2	1
Entered for Part I. only ...	11	—	8	—	—
Referred subject in Part I. only ...	1	—	1	—	—
Entered for Part II. only ...	24	—	—	—	11
Referred subject in Part II. ...	31	—	—	—	19
	131	4	49	6	50

Referred in one subject: Botany, 6; Chemistry, 7; Materia Medica, 1; Pharmacy, 27. Total, 41.

PART I.

The following have satisfied the examiners in Part I.:

Angus, Maggie C., Edinburgh	Johnstone, Margaret, Edinburgh
Apedaile, L. B., Edinburgh	Kemp, Charles, Dalkeith
Bain, J., jun., Glasgow	McGuckian, Isobel A., Glasgow
Bootland, S., Felling-on-Tyne	McIver, Mary D., Edinburgh
Bowie, G. L., Aberdeen	Main, Helen H., Mauchline
Brown, E., Glasgow	Nicholson, W. M., Bathgate
Campbell, Lily A., Glasgow	Purdie, Isabella A., Edinburgh
Connelly, John, Leven	Rennie, Margaret P., Edinburgh
Coutts, R. S., Bathgate	Riddell, W. G., Edinburgh
Crosfield, Hilda, Stockport	Robertson, A., Dundee
Dinsdale, William, Blyth	Sanders, A., Glasgow
Dudgeon, J. L., Leith	Simpson, W. F., Aberdeen
Dyet, Jean W., Callander	Thomson, Margaret F., Edinburgh
Eadie, Isabella M., Glasgow	
Geddes, C. A., Edinburgh	
Hodge, Elizabeth M., Dundee	

PART II.

The following, having satisfied the examiners in Part II., have been registered as chemists and druggists:

Adderley, B. J., Crewe	Herbert, T., Rochdale
Beale, J., Bridgend, Glam.	Hornsby, W., Newcastle-on-Tyne
Boyd, C. S., Nairn	Izatt, James, Methil
Bremner, Joseph, Shetland	Jamieson, J. E., Lerwick
Brotherston, A., Slateford	Johnson, R. F., Leeds
Carnegie, William, Stirling	MacDonnell, Nora, Edinburgh
Chapman, Wm., Wishaw	McMaster, J. W. G., Glasgow
Clark, J. S., Wishaw	Morrison, W. R., Kilmarnock
Costigan, W., North Shields	Robson, R. T., South Shields
Cowe, A., Edinburgh	Taylor, Peter, Larbert
Cummings, George, Alloa	Watson, Ruric, Warrington
Danskin, Thomas, Paisley	Wood, W. L., Glasgow
Dickson, J., Musselburgh	Young, R. S., Annan
Docherty, J. H., Hamilton	
Ewing, Allan, Uddingston	
Gemmell, Wm., Rothesay	
Greig, Harriet D., Dunbar	

PARTS I. AND II.

The following, having satisfied the examiners in Parts I. and II., have been registered as chemists and druggists:

Brebnar, T. F., Aberdeen	Dalrymple, Jean S., Castle Douglas
Burr, W. G., Ellon	Ferrier, Jean D., Dundee
Dalgarno, Jane G., Aberdeen	Forbes, James, Aberdeen

Gibson, Helen T., Dundee	McLean, T., Kirkintilloch
Gilmour, W. S., Glasgow	Mennie, Mary A., Montrose
Glen, J. F., Montrose	Murison, Wm., Aberdeen
Hunter, R. E., Aberdeen	Murray, David, Glasgow
Leiper, Elizabeth A., Aberdeen	Stephen, E. S., Aberdeen
Looch, P. L., Glasgow	Vause, H. W., Newcastle-on-Tyne
Love, Margaret S., Bonnybridge	Watson, S. G. D., Aberdeen

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts

Reports from Local Centres.

ENGLAND.

Bristol.—At a meeting of the Insurance Committee held on April 11, the chairman said that in 1920 there were nearly 50,000 more prescriptions than in 1919, the total number being 458,000 prescriptions, costing on an average 10*d.* each. The total cost for 1920 was more than 30 per cent. above that for 1919—20,000*l.* against 14,000*l.* Mr. P. F. Rowsell, President of the National Association of Insurance Committees and chairman of the Devonshire Insurance Committee, who attended, spoke of the duties of medical men and chemists, and said that patients must be able to feel that they were getting the same class of attention as other patients received. Speaking of their loss of Dr. Addison, he said he thought that gentleman should never have been weighted with the housing question.

Exeter.—A meeting of the Devon Pharmaceutical Committee was held on April 6, Mr. March presiding. The chairman commented on delays in "payment on account," and it was resolved to request the Insurance Committee to expedite future payments. The secretary was instructed to ask the Insurance Committee to inform the Pricing Office that the Retail Pharmacists' Union is now responsible for checking prescriptions.

London.—A meeting of the Pharmaceutical Committee was held on April 12, Mr. A. J. Wing (chairman) in the chair. On a question regarding the election of the Pharmaceutical Committee in June, the secretary was instructed to communicate with the district associations. The report of the Central Checking Bureau for January 1921 showed a margin of error of 0.04 per cent. A qualified accountant was appointed to audit the accounts of the Committee. The secretary's report contained, *inter alia*, reference to a postcard recently issued to chemists setting out the chief points in dispensing Ministry of Pension scripts; copy of the recommendations of the Departmental Committee appointed to consider and advise upon the measures to be taken for the control of therapeutic substances which cannot be tested adequately by chemical means; that the Insurance Committee had authorised a panel doctor in an isolated district of London to dispense for his insured patients for six months; the following particulars for the month of January 1921:

Total value of scripts ...	£17,811 9s. 6 <i>d.</i>
Total number of scripts ...	375,359
Average value per script ...	11.39 <i>d.</i>
Total number of prescriptions ...	462,441
Average value per prescription ...	9.24 <i>d.</i>

The secretary's report was then adopted. The special sub-committee on Insurance matters submitted a report on: Hours of service; supply of malt and oil; and suggested payment on a capitation basis for drugs supplied by hospitals. After a discussion the Committee decided not to take action until further information was available. The Committee next considered communications received from the Ministry of Health and the Retail Pharmacists' Union concerning the new terms of service. The Committee decided to recommend acceptance of the new terms. Consideration of the report of representatives on the Pharmaceutical Service Sub-Committee was postponed until next meeting.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

THE DENTISTS' BILL.

Mr. Raffan, on April 13, asked the Minister of Health whether it is still the intention of the Government to introduce a measure, during the present session of Parliament, for the purpose of carrying out the recommendations of the departmental committee on the Dentists Act, 1878.

Sir A. Mond replied: I am afraid that, owing to the congestion of the Government legislative programme, legislation on this subject will not be practicable during the present session.

UNEMPLOYMENT INSURANCE ACT.

Mr. T. Wilson asked the Minister of Labour on April 6 how many trade unions and how many friendly societies have made arrangements to administer the Unemployment Insurance Act, 1920, as provided for in Section 17 of the Act; and how many persons are entitled to receive their unemployment benefit through the trade unions and friendly societies and how many through the labour exchanges.

The Minister of Labour (Dr. Macnamara) replied that arrangements under Section 17 of the Act are in operation with 185 trade unions and 20 friendly societies. The number of insured persons entitled to claim State unemployment benefit through the associations having such arrangements is estimated to be rather more than 2,500,000. There are thus about 9,500,000 who can obtain benefit only through the employment exchanges, but for various reasons a certain number of the members of the associations referred to also obtain their benefit through the exchanges; in particular this is so in certain cases where the arrangements have been completed very recently.

COMMERCIAL TRAVELLERS' FEES.

Sir J. Butcher, on April 11, asked the Under-Secretary of State for Foreign Affairs whether he is aware that in many foreign countries British commercial travellers have to pay high fees for permission to enter and transact business in these countries, while foreign commercial travellers pay nothing on entering this country; whether he will endeavour by diplomatic means to obtain reciprocal and fair treatment for British commercial travellers in those foreign countries; and whether, in the case of any, and, if so, which, of these foreign countries we are prohibited by treaty engagements from imposing similar fees on foreign commercial travellers to those exacted in those countries from British commercial travellers.

Sir P. Lloyd-Greame replied: I am aware of the facts referred to, but I think it would be useless to attempt to persuade foreign countries which favour the policy of taxing foreign commercial travellers to waive the tax in the case of British travellers. Any case of discrimination against British subjects would, of course, be taken up. We are not prohibited by treaty from imposing fees on commercial travellers, but in view of the most-favoured nation clause such fees would have to be uniform; it would not be possible in the case of the numerous countries with which we have commercial treaties embodying that clause to vary the fees payable according to the nationality of the traveller.

TUBERCULOSIS TREATMENT.

In the House of Commons on April 13 Sir Alfred Mond, Minister of Public Health, moved the second reading of the Public Health (Tuberculosis) Bill. He said the Government felt the necessity of an extension of legislation in order to make better provision for combating this disease. The Government would financially assist local authorities by a contribution from the Treasury. Out of 145 local authorities 124 had already made arrangements contemplated under the Bill, and therefore no extra burden would fall on those bodies. Mr. Ormsby Gore, while welcoming the Bill, urged that the disease required to be tackled at the source, and until proper hygienic conditions had been established in the home of the child they could not hope successfully to combat the disease.

Colonel Raw warmly supported the Bill on two grounds; first, because tuberculosis was a preventable disease and ought not to exist in any civilised country; and, secondly, that taken in the early stages it was a curable disease. It was appalling to think that at least 600,000 of the people of this country were attacked with tuberculosis, while between 50,000 and 60,000 people died every year as the result of being infected by the disease. Replying to the debate, Sir Alfred Mond hoped that an attempt would not be made in Committee to turn the Bill (which was one for a specific purpose) into an omnibus measure dealing with all kinds of desirable but not immediately necessary objects. If they overloaded the measure it would not reach port. The Bill was read a second time.

BRITISH DYESTUFFS CORPORATION, LTD.

Mr. Hogge, on April 11, asked the President of the Board of Trade (1) whether it was with the consent of the Government that three gentlemen without any practical knowledge were nominated as directors of the British Dyestuffs Corporation, Ltd.; (2) whether the services of the two managing directors of the British Dyestuffs Corporation, Ltd., have been dispensed with; whether this was done with the knowledge and consent of His Majesty's Government; and whether the board of the company, as at present composed, is without practical knowledge of the industry.

Sir P. Lloyd-Greame replied: The appointment of directors (other than Government directors) of the British Dyestuffs Corporation, Ltd., does not require the consent of the Government, which has not a controlling interest in the corporation. He had no doubt, however, that the three new appointments will greatly strengthen the board, and he pointed out that one of the new directors has had much practical experience as managing director of an important chemical works supplying products to the textile trades, whilst another is actively engaged in the dyeing of textiles. As regards the termination of the appointment of the two managing directors, the Chancellor of the Exchequer was aware of the intention of the board of directors. The consent of the Government was not required. The two gentlemen in question remain on the board of the corporation. He added that the various changes mentioned were approved by the shareholders at the recent annual meeting.

MINISTRY OF HEALTH.

The Earl of Onslow has been appointed Parliamentary Secretary to the Ministry of Health.

Sir Alfred Mond stated on April 7 that the salary and bonus of the first secretary of the Ministry of Health are 3,000*l.*, and 500*l.*; of the second secretary 2,200*l.*, and 500*l.*

Major Sir Keith Fraser, on April 13, asked the Minister of Health if he will state what is the total number of medical men on the permanent or temporary staff of his department and the annual cost of such appointments; and what was the number employed by the Local Government Board in 1914 and the total cost for that year.

Sir A. Mond replied: The total number of medical men on the staff of the department (including two part-time specialist officers) is one hundred—viz., sixty-three at headquarters and thirty-seven in regional offices. The salaries of the headquarters staff as on March 31, 1921, amounted to 51,549*l.* 3*s.* and the war bonus to 31,681*l.*, a total cost of 83,230*l.* 3*s.* per annum. The salaries of the regional medical officers as on March 31, 1921, amounted to 47,400*l.* (The salaries of these officers is inclusive of war bonus). The number of medical men employed by the Local Government Board in 1914 was thirty-one, and their actual salaries during that year amounted to 20,571*l.* 15*s.* 9*d.* For purposes of comparison, however, the medical staff of the National Health Insurance Commissions (England and Wales) must be added to this, as their functions are now performed by medical officers of the Ministry. In 1914 this staff numbered eight (including the deputy chairmen in England and Wales), and their salaries totalled 6,300*l.* The total number of medical men in the two departments in 1914 was, therefore, thirty-nine, and the cost 26,871*l.* 15*s.* 9*d.*

Imports of Pharmaceutical and Synthetic Chemicals.

January 1—March 31, 1921.

IN continuation of our previous tables we give below the first quarter's imports of the leading pharmaceutical and synthetic chemicals, which should be more interesting than usual in view of the proposed legislation concerning imports. A feature is the remarkable decline in volume compared with our previous figures, this being due to the general trade depression. Imports of bromides, par-

ticularly potassium, continue on a considerable scale, and an unusually large quantity of silver nitrate has been imported from Germany during the quarter, the bulk of which is probably used for recovery of the metal. This list is compiled from the London Customs bill of entry, but, as stated on previous occasions, the method of compilation leaves much room for improvement.

	FRANCE	GERMANY	HOLLAND	BELGIUM	SWITZERLAND	SWEDEN	U.S.A.
Acetanilide ...	—	323 <i>l.</i>	—	—	—	—	—
Amidopyrin... ..	840 <i>l.</i>	540 <i>l.</i>	—	—	—	—	—
Ammon. chloride ...	—	527 <i>l.</i>	—	3 <i>l.</i>	—	140 <i>l.</i>	—
" fluoride ...	—	490 <i>l.</i>	—	—	—	—	—
Argyrol	—	—	—	—	—	—	294 <i>l.</i>
Aspirin	336 <i>l.</i>	490 <i>l.</i>	—	—	—	—	3,646 <i>l.</i>
Atropine	—	19 <i>l.</i>	—	—	—	—	—
" sulphate ...	—	60 <i>l.</i>	—	—	—	—	—
Barium chloride ...	—	363 <i>l.</i>	—	643 <i>l.</i>	—	—	—
" nitrate ...	—	140 <i>l.</i>	—	—	—	—	—
" peroxide ...	160 <i>l.</i>	2,160 <i>l.</i>	—	—	—	—	—
Benzaldehyde ...	—	410 <i>l.</i>	—	—	—	—	—
Benzonaphthol ...	—	100 <i>l.</i>	—	—	—	—	—
Beryllium nitrate ...	—	29 <i>l.</i>	—	—	—	—	—
Betanaphthol ...	—	—	332 <i>l.</i>	4,700 <i>l.</i>	—	—	—
Boric acid	5,949 <i>l.</i>	—	—	—	—	—	—
Bromide: ammon. ...	—	736 <i>l.</i>	24 <i>l.</i>	—	—	—	—
" potash ...	—	1,685 pkgs.	46 pkgs.	—	—	28 pkgs.	—
" soda ...	—	93 cwt., 35 <i>l.</i>	—	—	—	—	—
Bromine	—	34 pkgs., 88 <i>l.</i>	160 pkgs.	—	—	—	—
Butyric acid ...	—	—	—	—	—	550 <i>l.</i>	—
Caffeine	859 <i>l.</i>	—	824 <i>l.</i>	—	—	—	—
Calc. chloride ...	—	105 cwt., 801 <i>l.</i>	—	—	—	—	—
Camphor, synthetic ...	—	118 <i>l.</i>	—	—	—	—	—
Cerium nitrate ...	—	13 <i>l.</i>	—	—	—	—	204 <i>l.</i>
Chemicals, synthetic ...	—	787 <i>l.</i>	—	—	2,800 <i>l.</i>	—	—
Chlorophyll ...	—	70 <i>l.</i>	40 <i>l.</i>	—	530 <i>l.</i>	—	—
Chlchonidine hyd. ...	—	—	416 <i>l.</i>	—	—	—	—
" sulph. ...	—	875 <i>l.</i>	—	—	—	—	—
Cinnamic aldehyde... ..	—	39 <i>l.</i>	—	—	—	—	—
Cocaine alk. ...	40 <i>l.</i>	—	—	—	—	—	—
" hyd. ...	510 <i>l.</i>	—	—	—	—	—	—
Coumarin	—	543 <i>l.</i>	—	—	—	—	—
Oreosote carbonate... ..	—	—	—	—	—	—	300 <i>l.</i>
Diethylbarbituric acid ...	—	—	—	—	357 <i>l.</i>	—	—
Hexamine	—	140 <i>l.</i>	—	—	—	—	180 <i>l.</i>
Hydrofluoric acid ...	—	120 <i>l.</i>	—	—	—	—	—
Hydroquinone	317 <i>l.</i>	1,187 <i>l.</i>	—	—	—	—	—
Iodine and pot. iodide ...	81 cs.	6 cs.	—	—	—	—	—
Lactic acid	—	515 <i>l.</i>	—	—	—	—	—
Methyl salicyl. ...	205 <i>l.</i>	—	175 <i>l.</i>	—	—	—	—
Milk sugar	—	—	320 pkgs., 1,500 <i>l.</i>	—	—	—	50 pkgs.
Morphine hydroch. ...	—	—	—	—	89 <i>l.</i>	—	—
Musk, artificial ...	110 <i>l.</i>	248 <i>l.</i>	158 <i>l.</i>	—	2,500 <i>l.</i>	—	—
Neosalvarsan	—	331 <i>l.</i>	—	—	—	—	—
Nicotine sulph. ...	—	—	—	—	825 <i>l.</i>	—	997 <i>l.</i>
Novocain	—	1,120 <i>l.</i>	—	—	—	—	—
Oxalic acid	—	478 <i>l.</i>	1,418 <i>l.</i>	977 <i>l.</i>	—	—	—
Parformaldehyde... ..	—	130 <i>l.</i>	30 <i>l.</i>	—	22 <i>l.</i>	—	—
Paraldehyde	—	—	—	—	—	—	550 <i>l.</i>
Perfumery, synthetic ...	12 <i>l.</i>	30 <i>l.</i>	7,905 <i>l.</i>	—	976 <i>l.</i>	—	—
Phenacetin	—	719 <i>l.</i>	—	—	252 <i>l.</i>	—	—
Phenazone	—	—	—	—	224 <i>l.</i>	—	—
Phenolphthalein ...	—	560 <i>l.</i>	—	—	—	—	798 <i>l.</i>
Photographic chemicals ...	—	1,083 <i>l.</i>	—	—	—	—	117 <i>l.</i>
Pilocarpine	—	24 <i>l.</i>	—	—	—	—	—
" hydroch. ...	—	16 <i>l.</i>	—	—	—	—	—
Potash: caustic	—	253 pkgs., 30 <i>l.</i>	29 pkgs.	—	—	16 drms.	—
" chlorate ...	—	139 pkgs.	—	—	—	1,690 pkgs.	—
" cyanide ...	47 <i>l.</i>	39 <i>l.</i>	—	—	—	—	—
" iodide ...	—	3 cs., 550 <i>l.</i>	—	616 <i>l.</i>	—	—	—
" metabisulph. ...	—	305 <i>l.</i>	—	—	—	—	—
" permanganate ...	—	1,138 <i>l.</i>	148 <i>l.</i>	—	—	—	—
" sulphogualcolate ...	—	230 <i>l.</i>	—	—	—	—	—
Pyrogallie acid	—	—	—	—	—	—	200 <i>l.</i>
Quinine salts	—	—	21,850 cz.	1,500 oz.	5,319 oz.	—	—
" hydroch. ...	—	267 <i>l.</i>	—	—	300 <i>l.</i>	—	—
Resorcin	252 <i>l.</i>	600 <i>l.</i>	—	675 <i>l.</i>	—	—	—
Salicin	—	15 <i>l.</i>	—	—	—	—	—
Salicylic acid	—	1,008 pkgs.,	21 cs.	—	—	—	—
Salol	—	189 <i>l.</i>	—	—	—	—	—
Scopolamine... ..	—	—	497 <i>l.</i>	—	68 <i>l.</i>	—	—
Silver cyanide	—	—	—	—	—	—	1,200 <i>l.</i>
" nitrate ...	—	58,436 <i>l.</i>	1,210 <i>l.</i>	—	656 <i>l.</i>	—	1,686 <i>l.</i>
Soda diethylbarb. ...	—	32 <i>l.</i>	—	—	—	—	—
" salicyl. ...	50 cwt.	14 cwt., 637 <i>l.</i>	3 cwt.	—	—	—	—
Strychnine hydroch. ...	—	273 <i>l.</i>	—	—	1,187 <i>l.</i>	—	—
" nitrate... ..	—	425 <i>l.</i>	—	—	1,344 <i>l.</i>	—	—
" sulphate ...	—	—	—	—	—	—	5,380 <i>l.</i>
Tannic acid	—	1,572 <i>l.</i>	—	—	—	—	—
Terpin hydrate	63 <i>l.</i>	—	62 <i>l.</i>	—	—	—	—
Vanillin	—	—	—	—	—	—	52 cs., 1800 <i>l.</i>

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, April 14.

THE miners' strike and the threatened "further upheaval" in the labour world have given a distinctly pessimistic feeling to the produce markets, and, until the outcome of the disputes can be seen, market business will continue negligible. As the strike is to involve all transport workers, there is likely to be considerable delay in the delivery of goods from wholesale houses. The drug-auction, which was fixed for this week, was abandoned until May 12. Business in drugs is, therefore, more than ever a matter of private negotiation, and the buyer is able to dictate the price in many instances. Among the few changes is a firmer tone in menthol; Japanese refined camphor has an easy undertone. Tinnevely senna, agar-agar, and cascarrilla are easier. Linseed oil and turpentine are rather dearer. Fenugreek seed is slightly easier, but canary has been in better demand at higher prices. The further improvement in the Italian exchange gives a firm feeling to citric and tartaric acids and cream of tartar, with a better demand reported. New business with Germany remains at a standstill.

Higher	Firmer	Easier	Lower
Canary seed	Benzonaphthol	Agar-agar	Alum
Epsom salt	Coriander seed	Amidopyrin	Ammon. sulph.
Linseed oil	Egg products	Cascarrilla	(for Br. colonies)
Potash carbonate	Menthol	Cassia oil	Atropine
Potash castic	Soda hyposulph.	Ced. wood oil	Camphor oil (Jp.)
Salicylic acid	Sulphonol	Cloves (Zin.)	Clove oil
Turpentine		Cocaine	Cod liver oil
		Farina (Jp.)	Ethers, pure & meth.
		Fenugreek seed	Formaldehyde
		Glucose	Paraldehyde
		Guaiacal carb.	Peppermint oil
		Lemon grass oil	Sandalwood oil
		Mandarin oil	(W.I.)
		Paraldehyde	Sodium sulphide
		Pot. sulpho-	Spirit,
		guaiacolate	methyleated
		Rhapontica (Ch.)	Turmeric
		Senna (Tinn.)	Vanillin
		Thymol	
		Wormseed oil	

Cablegrams.

NEW YORK, April 12.—Business is quiet. Salicylates are lower, sodium having been reduced to 30c. and salicylic acid to 26c. per lb. Aspirin is lower at 65c.; likewise methyl salicylate at 35c., and salol at 80c. per lb. Peppermint oil in tins has declined to \$3.00 per lb. Wintergreen (gaultheria) oil is cheaper at \$6.75, and sweet birch oil is also cheaper at \$4.00 per lb. Jalap is lower at 25c.; copaiba has been reduced to 35c. and hexamine to 90c. per lb.

BERGEN, April 13.—The total catch of cod for the whole of Norway since the opening of the season amounts to 29,600,000, against 24,800,000 for the corresponding date of 1920, and the yield of steam-refined medicinal oil is 45,935 hectolitres, against 37,777 hectolitres at the same period of last year. Finest new Lofoten oil is quoted at 95s. per barrel c.i.f. London.

London Markets.

AGAR-AGAR is slow and easier, No. 1 Kobe strip offering at 2s. and No. 2 at 1s. 10d. per lb. on the spot.

ANTIMONY.—The feature is the continuous inquiry for export, chiefly Hamburg, for foreign regulus, but actual business does not seem to result to any material extent. Chinese is held for 25l. per ton in warehouse, and shipment is quoted about 24l. c.i.f. Crude is nominal at 19l. per ton on the spot, and on c.i.f. terms 18l. 10s. is quoted.

BISMUTH.—The price of the "ring" is steadily maintained at 7s. 6d. per lb., and there is a continuous regular demand.

CADMIUM.—German agents appear to be out of the market, and the tone is firm at 6s. to 6s. 3d. per lb.

CAMPHOR (REFINED).—Towards the end of last week spot sales of Japanese 2½-lb. slabs were made at 3s. 9d., but subsequently the price recovered to 3s. 10d., at which it closes; May-June shipment is 3s. 5d. c.i.f. Chinese slabs are 3s. 7½d.

CASCARRILLA is easier, good quill offering at 175s. and siftings at 125s. per cwt. on the spot.

COCOA BUTTER is unchanged at 1s. 7d. per lb. in not less than 1-ton lots.

COD-LIVER OIL.—Our Bergen correspondent writes on April 6 that the total return of all the cod-fisheries of Norway up to date is as follows:

	Catch of cod (millions)	Steam-refined cod-liver oil (hectol.)
To April 2, 1921	... 24.9	41,475
" " 3, 1920	... 21.2	32,131
" " 5, 1919	... 14.2	19,318
" " 6, 1918	... 12.0	12,395
" " 7, 1917	... 18.5	26,007
" " 1, 1916	... 32.2	38,899

"The result of the cod-fishery at Lofoten is the most important since 1897; on the other hand, fishing-places outside Lofoten have yielded less than usual. Owing to the favourable catch and yield, buyers of cod-liver oil are everywhere reserved, awaiting lower prices. Thus there is no business done, and the price is nominal. Probably there are sellers at a price of about 105s. per barrel c.i.f. London, or even less." There appears to be little demand in London, and, owing to the depreciation in Norwegian exchange and the continued good yield of oil, prices have further declined, 95s. per barrel c.i.f. being a general quotation for new Norwegian oil.

EGG PRODUCTS are steadier, Chinese liquid yolk selling at 110s. to 112s. per cwt. for prime quality, and for April-June shipment 75s. c.i.f. has been paid. Dried, yolk is 5d. and sprayed whole egg 1s.; Native dried whole is 6d., all spot. Prime hen albumen is 2s. 8d. per lb. on the spot and 2s. 7d. per lb. c.i.f. for April-June shipment.

FARINA is quiet and easier, Japanese No. 1 offering at 20s. per cwt. and for April-June shipment 19s. c.i.f. is quoted. Dutch on the spot is 19s. and March-May shipment 18s. c.i.f.

GLUCOSE is easier, guaranteed water-white for April delivery offering at 31s. and May 30s. 6d. per cwt., duty, paid, landed terms.

HONEY is steady, fair palish set Jamaica offering at 50s. per cwt., banana set at 40s., Cuban at 45s., fair set San Domingo at 50s., California at 67s. 6d., and Australian at 45s. per cwt.

INSECT FLOWERS are steady, with finest closed Dalmatian offering at 310s. and smaller ditto at 300s.; Japanese closed offer at 230s. per cwt.

IPECACUANHA is unchanged, fair Matto Grosso offering at 10s. 6d., Minas at 9s. 6d., East Indian at 6s. 9d., and Cartagena at 8s. 3d. per lb. The *Raeburn*, from Monte Video, has brought 72 bales to Liverpool.

LINSEED OIL.—The market has rallied somewhat since the recent severe shaking, especially at Hull, where some resales were rather forced. The calmer view held of the labour upheaval has induced some little buying, and prices have had a fair recovery, chiefly for spot delivery. London closes at 25l. naked, an advance of 20s. on the week.

LYCOPODIUM.—For new arrivals which have just taken place from Russia 36s. per kilo. is quoted in four-kilo. tins and 33s. per kilo. in sixty-kilo. lots, less 10 per cent. discount. The following figures show the quantity of lycopodium exported by Russia, after supplying the needs of her home market: In 1911, 380,340 lb.; in 1912, 450,650 lb.; in 1913, 340,090 lb.; in 1914, 164,920 lb. With the beginning of the war the export of lycopodium was prohibited, as all the available quantity was used for war purposes.

The regular gathering of the drug is greatly hampered at present by the dislocation of transport in Russia, and the uncertainty of sale. A shortage will, therefore, be still felt during the next few years, though not to the same extent as at the present time.

MAGNESIUM.—There is very little doing, and quotations range from 3s. 10d. to 4s. per lb. for parcels available on the spot.

MENTHOL is firmer, spot sales of Kobayashi-Suzuki at from 24s. 6d. to 25s. per lb., and for May-June shipment 20s. c.i.f. is quoted.

MERCURY.—Despite a renewed increase in the stocks last month, chiefly from Spain, the tendency of the market has continued steady, there being no change in the attitude of the leading firm. Quotations stand at 12l. 10s. to 12l. 15s. per bottle. Last month's imports were 5,050 bottles, making a total of 5,307 bottles for the three months, this showing a decrease of 9,105 bottles compared with the same period last year; 5,000 bottles have arrived in London this week from Seville.

PLATINUM.—While the demand is not particularly active, the tone is steady, the nearest quotation being 17l. per oz., but well over that figure is reported obtainable for very small lots. Possibilities as to a further development of production in British Columbia have been referred to in recent cables.

RHAPONTICA.—Chinese is easier, offering at 1s. per lb. on the spot.

RHUBARB.—The London deliveries during March amounted to 18 chests and the arrivals to 16 chests, leaving a stock of 1,135, against 547 chests at the end of March 1920. Prices are unchanged, bold round Shensi offering at about 6s. 6d., medium round at 6s., flat High-dried at 6s. 6d., and rough round at 4s. per lb.

SAFROL is weak at 3s. 3d. per lb. on the spot, and, for prompt shipment from Holland, 3s. per lb. is quoted, ex wharf London, in 400-lb. drums.

SENNA.—The London deliveries during March amounted to 384 and the landings to 221 packages, leaving a stock on March 31 of 4,827, against 4,956 in March 1920. The cheaper grades of Tinnevely are lower, good medium green leaf offering at from 4½d. to 5d.; pods offer at 4d. New-crop Alexandrian is of excellent quality this season. Good bold green leaf can be had at 1s. 3d., medium at 1s., and siftings at 9d.; good green pods offer at 1s. 1d. per lb.

SHELLAC.—The spot market is steady at from 265s. to 280s. per cwt.; fine lemon is 370s., fine second Orange 310s. to 320s., RL 1 320s., and AC cakey 235s. per cwt. Futures are dearer on the week, the sales including May delivery at from 210s. to 245s. and August at 180s. to 200s.

SPIRIT (METHYLATED).—Makers announce from April 1 reductions in the prices of industrial and mineralised spirit by 8d. to 9d. per gallon, the new prices being as follows:

In One Delivery	Industrial Methylated Spirit		Mineralised Methylated Spirit	
	6l o.p.	64 o.p.	6l o.p.	64 o.p.
100 gals. and upwards	5s. 11d.	6s. 0d.	6s. 7d.	6s. 8d.
30 „ to 100 gals.	6s. 1d.	6s. 2d.	6s. 9d.	6s. 10d.
10 „ to 30 „	6s. 3d.	6s. 4d.	6s. 11d.	7s. 0d.

The above prices are subject to 2½ per cent. discount for cash in one month. Methylated resin finish is 2d. per gallon extra, and methylated shellac finish is 8d. per gallon extra over the prices quoted for industrial methylated spirit.

TURMERIC is cheaper, fair Madras finger offering at 22s. 6d. and Bengal at 20s. per cwt. on the spot.

TURPENTINE shows an advance of 2s. 9d. per cwt., closing at 48s. 9d. on the spot.

Seeds and Spices.

ALMONDS of all descriptions continue to sell freely, and higher prices are asked for shipment. Jordans are becoming scarce, and supplies are evidently not sufficient for requirements; spot value is from 310s. to 340s. Majorca are quoted rather higher, but are now dear compared with the round Canary almonds, which will be on the market shortly.

CANARY SEED has been lately in better demand, and the price has risen about 5s. per quarter. Good Morocco has been sold at 90s., and ordinary at 65s. The steamer *Pangbourne* brought 657 bags, which were disposed of before arrival.

CASSIA LIGNEA is dull of sale, whole selected offering at 30s. per cwt. and broken at 22s. 6d. on the spot.

CLOVES.—Zanzibar are easier, fair offering at 9d. to 9½d. per lb. on the spot, as to quality, and April-May shipment at 8½d. c.i.f.

CORIANDER SEED.—Further sales of good sound Morocco are reported at 18s. 6d. to 19s. per cwt., and of wormy at 9s.

CUMIN SEED.—Some ordinary quality has been sold at 20s. per cwt., but good sifted Morocco is held for 24s. The *Pangbourne* has brought 890 bags.

FENUGREEK SEED is inclined to be easier owing to a recent arrival of about 1,300 bags and a lack of demand; the quotation is 10s. per cwt.

MACE continues to sell cheaply, and prices are as low as any known in recent years. Fair Singapore is 1s. 2d. to 1s. 3d., ordinary 10d. to 11d., and pickings 8d. to 9d. per lb. Good West Indian is 1s. 2d. to 1s. 3d.

NUTMEGS.—Singapore and Penang are steady on spot; but are expected to be cheaper on arrival of shipments now on the way. Singapore 110's are quoted at 9d., 80's 1s. 0½d. to 1s. 1½d., and 65's 1s. 4d. per lb.

PEPPER is quiet, with spot sellers of fair black Singapore at 3¾d., April-June and May-July shipment at 3¾d. c.i.f. Lampong is 4½d., Tellicherry 4½d., and Aleppy 4½d. spot. Muntok White pepper is also quiet at 8½d., and Singapore 7½d. spot, at which sales have been made. May-June shipment has sellers at 7¾d. c.i.f.

Essential Oils.

A FAIR amount of trade is reported this week, despite the industrial crisis, and there appears to be no undue pessimism, although the gravity of the situation is thoroughly realised. A few articles are cheaper, but as business appears to be done by a process of bargaining, actual values are difficult to gauge. Japanese camphor oil, clove, and West Indian sandalwood oils are lower. Sicilian oils are very irregular, but the position appears to be substantially unchanged, except for mandarin, which is easier. Cassia oil is cheaper. Supplies of cedarwood accumulate, and prices are somewhat lower. Lemongrass oil is weaker. American peppermint and wormseed oils are a shade easier.

ANISE (STAR) is quiet, and 2s. 3d. per lb. is the quotation on spot for "Red Ship" brand. To come forward 2s. 2d. c.i.f. is about the figure.

BERGAMOT on the spot is unchanged at 20s. to 22s. per lb. for 37 to 39 l.a., according to brand, although holders in some directions are offering down to 19s. To come forward is firm at from 20s. to 23s. c.i.f.

CAMPHOR.—Japanese essential white is cheaper on the spot at 150s. per cwt. Chinese is quoted unchanged at 135s.

CASSIA shows a slight decline, and 4s. per lb. is the spot quotation for 80 to 85 per cent. c.a. To come forward, business could be done at 3s. 3d. c.i.f.

CEDARWOOD is slightly easier on the spot at 3s. 5d. to 3s. 6d. per lb. in drums. Primary markets are reported to be showing signs of weakness.

CINNAMON.—Ceylon leaf is unchanged at 5½d. per oz. on the spot, and Seychelles about 5s. 6d. per lb. Cinnamon bark oil, B.P., is offered on the spot at from 7s. 3d. to 8s. per oz.

CITRONELLA is without interest. Ceylon is nominal at 1s. 3½d. per lb. spot, but bids would probably be accepted at less. The forward quotation is unchanged at 1s. 2d. c.i.f. Java is weak at 2s. 10d. spot.

CLOVE.—English distillers' price is 6s. to 6s. 3d. per lb. for spot, being easier.

EUCALYPTUS.—B.P. oils are neglected, and holders quote 2s. 6d. per lb. on the spot as the nominal figure for 70 to 75 per cent. It is certain, however, that this figure would undergo considerable shading for firm business, as many holders are anxious to realise.

LEMON.—Spot values show great variation. Probably 3s. per lb. represents the average quotation, but 3s. 3d. has been paid for a particular brand, and, on the other hand, parcels are offered under the 3s. mark. To come forward prices are equally irregular. The favourable movement in Italy's rate of exchange suggests firmer prices at the source, but offers are still made at from 2s. 8d. c.i.f. all the way to 3s. 3d., and even higher in isolated cases. Arrivals in London since April 1 have been considerable, being rather greater than half the amount imported during the first quarter of the year.

LEMONGRASS.—Cochin is weaker at 5d. to 5½d. per oz. in drums, but in one direction business would be done at appreciably less.

MANDARIN has weakened slightly on the spot, and 23s. per lb. would buy in some directions, although other holders quote in the neighbourhood of 30s.

MINT.—Japanese dementholised is quoted at 4s. 1½d. to 4s. 3d. per lb. spot for Kobayashi-Suzuki, and for May-June shipment 4s. 3d. c.i.f. is quoted.

ORANGE.—Sicilian sweet is substantially unchanged on spot, with holders quoting from 10s. to 12s. 6d. per lb. To come forward, quotations appear to be somewhat higher.

PATCHOULI.—Quotations have been made at 65s. per lb. for spot, but there is only very small inquiry.

PEPPERMINT.—American tin oil is cheaper on spot at 18s. 6d. to 19s. per lb. for best brands.

NEROLI.—Spot holders of good French oil quote 70s. per oz. Italian neroli shows indications of firmer quotations, and one firm has already advanced the price considerably owing, it is stated, to the prospect of short crops of the French oil following the frost on the Riviera and to a fair amount of buying.

ROSEMARY.—Spanish is unchanged at 2s. 6d. per lb., with some holders unwilling to say less than 2s. 9d. for spot.

SANDALWOOD.—East Indian Government oil (B.P.) is unchanged at 37s. 6d. per lb. in 5-case lots. West Australian is unchanged at 25s., and West Indian (ol. amyris) is cheaper at 20s. per lb. in 25-lb. tins.

WORMSEED is slightly easier at from 26s to 27s. per lb. Recent arrivals have been considerable.

Pharmaceutical Chemicals.

ALTHOUGH business continues extremely slack, a definite tendency to firm up prices in quite a number of products is evident in the market, and in a few cases an advance has been recorded. The cause of this is no doubt the German (Reparations) Recovery Act, which has, for the time being, cut off supplies from the Continent. In connection with this Act it is interesting to note that considerable supplies of such products as bromides have recently been landed, but importers are finding great difficulty and much delay in obtaining the release of their goods from the Customs.

ACETANILIDE continues quiet, and prices are easy at 1s. 9d. to 1s. 10d. per lb.

AMIDOPYRIN is now quoted at about 23s. 6d. to 24s. 6d. per lb., which is about the same as last week.

ASPIRIN continues firm, and the cheapest offers are from 3s. 3d. to 3s. 6d. per lb., with up to 3s. 9d. asked by some.

ATROPINE SULPHATE is rather cheaper, offering at 26s. per oz.

BARBITONE is quiet, with quotations ranging from 15s. to 15s. 6d. per lb.

BENZALDEHYDE (0.03) remains quiet but steady at 4s. 6d. per lb.

BENZOIC ACID still offered at 2s. 3d. per lb., with but very little movement.

BENZONAPHTHOL is firmer at 8s. 6d. per lb. on the spot.

BISMUTH SALTS.—English makers' current prices for one-cwt. lots are: *Bismuth carbonate* 11s. 3d., *citrate* 10s. 6d., *nitrate crystals* 9s. 3d., *oxide* 12s. 3d., *salicylate* 10s. 3d., *subchloride* 10s. 9d., *subgallate* 13s. 2d., and *subnitrate* 10s. 3d. per lb. net.

BROMIDES.—Large arrivals have taken place. Ammonium is quoted by merchants at from 1s. 3d. up to 1s. 5d. Sodium is unchanged at 1s. 1d. to 1s. 2d. per lb.; there is but small demand. Potassium is 10½d. to 1s.

CALCIUM LACTATE continues to be quoted at 2s. 9d. to 3s. per lb. on a quiet market.

CHLORAL HYDRATE is still steady and unchanged at 5s. to 5s. 3d. per lb.; market is not active.

CITRIC ACID meets with a very fair demand, and prices are firm at from 2s. 4d. to 2s. 5d. per lb., less 5 per cent. The Italian exchange shows a further slight improvement in favour of that country.

COCAINE.—Hydrochloride has an easy undertone, offering at from 12s. 9d. to 13s. per oz.

CREAM OF TARTAR is still quoted unchanged at 130s. to 135s. for B.P. quality, with a fair demand. Makers of substitutes have recently reduced their prices, hoping to increase sales, but it will be seen that cream of tartar itself is obtainable at very reasonable prices.

CREOSOTE B.P. is maintained at 4s. 9d. per lb. on a dull market.

CREOSOTE CARBONATE is steadily quoted unchanged at 18s. 6d. to 19s. per lb.

ETHERS.—The makers have reduced their prices of both pure and methylated ethers by 2d. per lb., quoting as follows: 0.720 B.P. from pure ethylic alcohol, 9s. 2d.; 0.735, 8s. 6d. per lb.; from methylated alcohol, 0.720 (purif.), 2s. 6d.; 0.720, 1s. 10½d.; 0.725, 1s. 9½d.; 0.730 and 0.735, 1s. 7½d. per lb. net. The above prices are for 50-lb. lots and upwards.

FERRI ET QUIN. CIT.—English makers' prices in 100-oz. tins are from 1s. 2d. to 1s. 2½d. per oz., according to quantity.

GUAIACOL CARBONATE continues very unsteady and is now quoted at 15s. to 15s. 6d. per lb.

HEXAMINE is unchanged, with the values quite steady at 6s. 3d. to 6s. 6d. per lb.

METHYL SALICYLATE is still quoted unchanged at 3s. per lb., with the market fairly steady but quiet.

METHYL SULPHONAL, after the recent advance, is firm at 18s. to 19s. per lb.

PARAFORMALDEHYDE is well maintained on a quiet market at about 4s. per lb.

PARALDEHYDE is inclined to be a little easier, and is now quoted on spot at 2s. to 2s. 3d. per lb.

PHENACETIN is still quoted at last week's figures of 7s. 9d. to 8s. per lb.; market remains quiet.

PHENAZONE is still offering at 8s. 6d. to 9s. per lb. on a dull market.

PHENOLPHTHALEIN is maintained at last week's price of 5s. per lb., but is unsteady.

PIPERAZINE is inclined to be weak, but values are still quoted at 4s. 6d. per oz.

POTASSIUM PERMANGANATE (B.P.)—Crystals remain quoted unchanged at 1s. 9d. to 2s. per lb.; at these figures the market appears quite steady.

POTASSIUM SULPHOGUAIACOLATE is about 9s. per lb.; market is still quiet and values are showing up slightly easier.

QUININE.—There is a fair home-trade demand at about 3s. 6d. per oz. for Continental sulphate. The landings in London during March amounted to 7,712 oz., and the deliveries to 35,680 oz., leaving a stock on March 31 of 692,496 oz., against 256,352 oz. in 1920. The Board of Trade Returns give the following figures:

	1913	1920	1921
	oz.	oz.	oz.
Imports (March)...	197,650	8,656	224,152
" (Jan.-March) ...	1,007,539	1,377,175	1,015,619
British exports (March)	122,296	173,244	46,385
" (Jan.-March) ...	328,108	680,550	168,462
Re-exports (March) ...	3,042	46,842	76,345
" (Jan.-March)	221,612	208,851	411,745

SALICYLATES.—*Salicylic acid* has been advanced by holders to 1s. 4d. to 1s. 5d. per lb., and business has even been done at 1s. 6d. *Sodium salicylate* remains quite steady at 2s. 6d. to 2s. 8d. per lb. and in fair demand.

SALOL is unchanged at 3s. 6d. to 3s. 9d. on a quiet market.

SODIUM BENZOATE continues unchanged at 2s. 3d. per lb. **SODIUM DIETHYLBARBITURATE** is unaltered at 24s. 6d. per lb. on a quiet market.

SULPHONAL is now much firmer and quoted generally at about 20s. per lb.; some holders are quoting 22s. to 24s.

TANNIC ACID.—*Leviss* is still offering at 4s. 9d. to 5s. per lb., at which figure it is unchanged.

TARTARIC ACID.—The warmer weather has improved the demand, and the price is firm at 1s. 8d. to 1s. 9d. per lb.

TERPIN HYDRATE is still quiet, with values unchanged at 4s. 3d. to 4s. 6d. per lb.

THYMOL is slightly easier, and now offering at 27s. per lb. on a quiet market.

VANILLIN has a continued easy undertone, offering at 34s. per lb.

Heavy Chemicals.

April 13.

THE market continues unusually quiet in most products, but a little activity is reported in hypo. soda. Values are generally steadily maintained, especially so in the cases of products usually imported from Germany. In these instances the current quotations are quite firm and show signs of advancing. Caustic potash and Epsom salt are dearer. Formaldehyde is cheaper.

ACETIC ACID continues to be very neglected, and supplies on the spot are offering at the following figures: 80 per cent., 45l. to 50l.; glacial about 54l. per ton; values are easy and almost nominal.

ALUM.—English makers have reduced their prices to 18l. per ton for lump and to 19l. for ground.

AMMONIUM SULPHATE.—The price for April-May delivery remains at 24l. 11s. per ton, less 3 per cent. to merchants. The export price to British Colonies has been reduced by 2l. 15s. per ton to 16l.; other countries remain unchanged at from 20l. to 24l., according to destination.

ARSENIC is still a slack market, with quotations unchanged at about 48l. to 50l. per ton for white powder.

BLEACHING POWDER is still very quiet; 35 to 37 per cent. material continues to be offered at the steady figure of 20l. per ton.

CARBOLIC ACID.—Crystals are not in much demand, but values seem quite steady at 7½d. per lb. packed in drums.

COPPER SULPHATE.—There has been again rather more demand for export, for which terms vary from 32l. up to 34l. per ton for casks, less 5 per cent. f.o.b. Liverpool. The current quotations are roughly some 10l. a ton above the terms on which makers were doing a full normal business in pre-war times, when copper was at its present figure, but of course working costs are considerably higher than they were then, although wages and the price of acid should be further reduced. Whereas for March 1913 our exports were exceptionally heavy at 19,142 tons, the returns for the same month this year were 5,431 tons, which compares with 3,850 tons in March last year, the total for the three months being 15,021 tons, against 11,124 tons and 34,155 tons respectively for the corresponding period in 1920 and 1913.

EPSOM SALT has been fairly active, and prices have advanced to about 9l. per ton for commercial quality and 10l. per ton for pharmaceutical material. The advance is no doubt due to the limited supplies now available, owing to Continental material being shut out for the time being. Makers' prices are higher at 13l. for druggists' and 11l. 10s. for commercial.

FORMALDEHYDE is obtainable at 110l. per ton on the spot, which is cheaper than our previous quotations.

LEAD ACETATE is still lifeless, and the following figures are nominal: 50l. per ton for brown broken and 55l. for white crystals. Buyers should obtain at a slightly cheaper rate.

LITHOPONE is still being inquired for, but actual business is very limited. Quotations averaged about 30l. to 31l. per ton for 30 per cent. Continental red seal, and 35l. to 36l. for green seal; market is steady and prices firm.

OXALIC ACID is quiet, with values maintained and fairly steady at 10d. to 11d. per lb.

POTASH CAUSTIC has advanced, and is now fairly steady, and a firm market at 47l. to 48l. per ton for 88 to 92 per cent. material. A fair amount of business has been transacted; it should be noted that for the time being supplies of cheap Continental material are cut off.

POTASH CHLORATE continues very dull, with offers still being made at about 6d. per lb. for crystals and powder.

POTASSIUM PERMANGANATE.—Commercial quality is now

quoted by makers at 1s. 9d. per lb., and spot parcels are competing with this figure; business is only small.

SAL AMMONIAC is quoted by merchants at about 55l. per ton for lump, imported material.

SALTCAKE is still lifeless. The following figures are purely nominal: 7l. per ton in bulk, 8l. in bags, f.o.b.; there is apparently no demand whatever at the moment.

SODA ASH (58 per cent. light alkali) is now offering on spot at 9l. to 9l. 10s. per ton; stocks are held, but the demand is poor. Makers' price for home trade only, 8l. 15s. per ton, in bags, free on rail.

SODA CRYSTALS.—English makers' price is 7l. per ton in bags, delivered to any station.

SODIUM BICARBONATE.—English makers' price in 2-cwt. bags is 12l. per ton for refined and mineral-water quality 11l. per ton, delivered to any station in England or Wales.

SODIUM CAUSTIC.—English makers' price is 27l. 10s. per ton for 76 to 77 per cent. in large drums, and 25l. 10s. for 70 to 72 per cent., delivered any station.

SODIUM HYPOSULPHITE is showing up much firmer with a better demand, and prices are now from 25l. to 27l. per ton for pea crystals in kegs; commercial quality in casks is 21l., in bags about 20l. per ton.

SODIUM NITRATE is unchanged from last week at 21l. per ton for 96 per cent. refined material f.o.r. Liverpool. The market is still dull.

SODIUM PRUSSATE is quoted by makers at 7½d. per lb.; holders of spot lots are offering at 8d. per lb.

SODIUM SULPHIDE (60 to 62 per cent. solid) is again offering at reduced figures. Spot lots are obtainable at 27l. per ton; market remains quiet and unsteady. Makers' prices for 60 to 65 per cent. concentrated, in casks is unchanged at 28l. per ton.

SODIUM SULPHITE.—Anhydrous is lifeless, with prices nominal at about 28l. per ton.

TIN CRYSTALS continue unchanged at 1s. 7d. per lb. for best material and 1s. 6d. per lb. for seconds.

ZINC PRODUCTS.—All products in this section are called firmer in tone, but zinc dust is still very slow, with high-grade Australian selling at 55l. per ton. Other descriptions range from this figure up to about 60l. except for Continental, which is obtainable at 55l. and less. The fact is worth noting that the Australian export prohibition on zinc-ore concentrates to Germany has lately been withdrawn. There continues to be a fair demand for zinc oxide, and prices are firm, thus: White seal, 44l. 10s. to 47l.; green seal, 42l. 10s. to 45l.; and red seal, 40l. per ton.

COAL-TAR PRODUCTS.—The market continues distinctly quiet, business being done in the smallest of quantities only. No material change in values is recorded, and they may be taken generally as quoted in last week's issue.

Italian Drug and Chemical Markets.

Genoa, March 29.

THE month of March started with a weak foreign exchange, and with few and slight oscillations went in the majority of cases towards reduction. On the 20th of the month, however, the lira suddenly recovered its value, but lost again towards the end of the month, without reaching the high figures of a few weeks before. The value of the English pound was thus reduced from lire 106.50 to lire 95.92, recovering later to lire 93.50 and above; the United States dollar was reduced from lire 27.32 to lire 24.21, recovering at the end of the month almost to its first value; the French franc was reduced from lire 1.96 to lire 1.70, reaching lire 1.75 and above at the end of the month. The German mark started the month with lire 0.40, and recovered very little over this at the end of the month. Such conditions had their effect on the Italian drug and chemical markets, where a proportion of buyers suspended their orders for the time being, anticipating lower prices, while others limited their purchases to absolute needs. All this did not, however, stop a certain business, especially in the rarer products, and in the chemicals for agricultural and industrial purposes. In pharmaceutical products little business was possible owing to the sharp reduction in consumption, brought about by much better health conditions, and the same was the case with drugs. In heavy chemicals the local works supplied most of the few needs left through the crisis in all Italian industries. The demand for fertilisers, such as the superphosphates, was still strong, whereas with

nitrogenised products little business could be concluded. Sensible reductions in the price of sulphate of ammonia, nitrate of soda, and nitrate of ammonia therefore followed. There was a large demand for sugar for ready delivery at Genoa, and the small quantities that were available in the port found buyers at lire 530 per 100 kilos. Central America, despite the strong competition of other nations, during March remained a very fair field of exploitation for Italian pharmaceutical products, and a Consortium, or Association, will in all probability be formed for increasing commerce with this country. Most business concluded in drugs and chemicals during March was for a specially regulated commercial, or conventional, exchange much below that officially fixed. This arrangement, which simplifies matters greatly, is no novelty, having been employed, especially in the case of business with England, for the last six months, and during the war whenever there was a strong rise in the foreign exchange. The buyer deposits with an Italian bank the import value of the goods purchased at the conventional commercial exchange to the credit of the English or Continental seller. This deposit then remains in Italy until the seller thinks its withdrawal can bring less loss, no loss, or even profit, if he can leave it till the official exchange falls lower than the exchange stipulated in the contract of sale. The English or foreign seller does not, however, remain committed in any way for the whole sum, as his banks will loan him on this up to 75 per cent., accepting as a guarantee the deposit itself; and the seller in all eventualities only really loses the difference between the interest he receives on the Italian side and the larger interest he has to pay on the English or foreign loan. Through the reduction in the foreign exchange further reductions were brought about in the prices of some pharmaceutical products, drugs, and chemicals, while others remained unchanged, or were even increased. This depended also on the smaller or greater demand, and on the size of the stocks available and local conditions. Some of the current prices and changes in price prevailing at the end of March were as follows, the exchange being reckoned at lire 98.50 to the English pound sterling:

Pharmaceutical Products.

	Lire per 100 kilos.		Lire per 100 kilos.
Acetic acid, glac. ...	955 to 940	Glucose, 45° Bé. ...	460 to 400
Acetone, pure ...	1,300	Glycerin, refined ...	820 to 800
" commercial ...	1,000	" d.d.s.g.1 260 ...	1,000
Alcohol, denatured, 90° ...	850	Honey, white ...	930 to 850
" 95° 1,950 to 2,000		Hydrogen peroxide (10 vol.) 5 to 80	
Ammon. carb., lump ...	590	Magnes. carb., lump... ..	800
Ammonium chlor., lump		Magnesium chloride... ..	130 to 135
(98-100) ...	890 to 910	" sulph. ...	70 to 75
Ammonium chlor., lump		Naphthalene flakes ...	335 to 260
(95-96) ...	745 to 750	Oxalic acid, xtals. ...	1,300 to 1,100
Antimony sulphide, lump ...	600	Pot. chlorate, powder ...	400
" powder 650		" santonin xtals. ...	450
Boric acid, crystals ...	850 to 900	Potash permang. ...	3,500 to 2,600
" large flakes ...	950	Quinine citrate ...	80,000
Camphor tablets ...	7,000	" sulphate 45,000 to 61,000	
Carbolic acid, cryst., 39° to		Soda pruss., yellow ...	1,300
40° C. ...	1,050	" salicylate, xtals. ...	4,000
Carbolic acid, liq., 95 p.c. ...	325	" sulph., anhyd., fused 60 to 100	
Castor oil, medicinal ...	825 to 850	Sulphur, refined ...	123 to 135
Ceresin, pure white 1,175 to 1,150		Vaseline, best white 1,050 to 1,100	
Cod-liver oil, medicinal		Wax, veg., Jap. ...	1,060 to 1,000
" 1,300 to 1,350		" carnauba ...	2,650 to 1,800

Heavy Chemicals.

	Lire per 100 kilos.		Lire per 100 kilos.
Ammonia sulphate ...	210 to 195	Soda carbonate (Amer., 98 to	
Bleaching powder ...	125 to 140	100 p.c.) ...	110 to 70
Borax, crystals ...	455 to 480	Soda carbonate (Eng., 98 to 99	
Caustic potash (70 to 75 p.c.)		p.c.) ...	110 to 72
" 700 to 600		Soda carbonate (French, 98 to	
Citric acid ...	2,750 to 2,575	100) ...	103 to 70
Cream of tartar ...	1,800 to 1,900	Soda carbonate (Ital.) ...	100 to 75
Formic acid (80 to 85 p.c.) ...	750	" caustic (76 to 78 p.c.) 260 to 250	
Hydrochloric acid, 20 to 21°		" caustic (70 to 72 p.c.) 230 to 240	
" Bé. ...	46 to 48	" crystals ...	70 to 92
Lead carbonate ...	525	" hyposulphite ...	220 to 175
Nitric acid, 36° Bé. ...	200 to 220	" silicate, 140° Tw. ...	170 to 185
Potash bichromate ...	1,800 to 1,650	" sulphate, xtals. ...	40 to 85
" pruss., yellow... ..	1,300	Sodium sulphide (60 to 65	
Soda bicarbonate ...	135 to 120	p.c.) ...	450 to 300
" bichromate ...	1,350	Sulphuric acid, 66° Bé. ...	46 to 50
" bisulphite, crystals, 32°		" 50° Bé. ...	20 to 25
" Bé. ...	65 to 70	Tartaric acid ...	2,050 to 1,800

Working of German Reparations Act.

THE following statement is issued by the Chemical and Dyestuff Traders' Association as to the working of the German Reparations (Recovery) Act: "Numerous inquiries have been made among chemical and dyestuff merchants as

to the operation of the German Reparations (Recovery) Act, particularly in reference to its effect on trade, and the point whether the tax is paid by the German exporter or by the British importer. The replies show that up to now the assumption that the tax would fall on Germany is not being realised. Merchants, almost without exception, state that the German exporter refuses to deliver goods until he or his agent is paid in full. The general result is that either business is suspended altogether, or that the British importer pays the German exporter in full and himself pays the duty to the British Customs authorities. Inquiries have been made of H.M. Customs, and their ruling is that the British importer can pay for German goods in full, provided he accepts liability for the subsequent payment of the duty. In practice this ruling works out as follows: Where the price of the German goods is, say, 100%, the British importer may pay the 100% in full to the exporter. The duty on this amount is 50 per cent., and the British importer will therefore be required to pay a further 50% to the British Customs. Under this procedure the German exporter incurs no penalty, but the goods cost 50 per cent. more than their ordinary value, and this extra 50% has to be charged to the British importer's customers. It has been suggested that in order to relieve himself of the duty the German exporter would add 50 per cent. to the cost of the goods. This, however, would not protect him. Such an addition would convert 100% into 150%, and if each party paid half (75%) the German would receive 25% less than the full value, while the British importer would pay 25% more than the ordinary duty. It will be seen, therefore, that to protect himself the German exporter would need to double the amount. In that case 100% worth of goods would be invoiced at 200%. The German would get half of this, being the full original value of the goods, while the remaining 100% would be paid in the first instance by the British importer and passed on to his customers. There would appear, however, to be no need to resort to the expedient of doubling the value of the goods. So long as the British Customs authorities allow the British importer to pay the German exporter in full and to pay the 50 per cent. duty himself, the German receives the full value and the 50 per cent. duty is paid by the British consumer."

German Chemical Industry in 1917-1918.

THE Imperial German Statistical Office has now published the figures relative to the chemical industry for the years 1917-18. From these data it is apparent that on June 30, 1918, the latest date for which official figures are available, there were in Germany 168 chemical firms as joint-stock companies. These included 117 chemical factories, 20 dyestuff works, and 30 explosive works. The paid-in capital invested in these concerns amounted to 816,360,000m., of which 339,987,000m. were invested in the chemical works, 333,200,000m. in the dyestuff works, and 142,490,000m. in the explosive works. The total reserves amounted to 265,676,000m., exclusive of the insurance funds for employees, the latter representing a total of 100,095,000m. The mortgages figured with 19,738,000m. The total assets of these concerns (exclusive of losses) aggregated 2,855,812,000m., and the liabilities 2,635,131,000m. The figures dealing with the profits realised in the chemical industry are particularly interesting. Of the total number of 168 chemical factories, 153 closed with a profit, 2 showed neither profit nor loss, the remaining 13 only working at a loss. The total capital invested in the 153 profitable concerns amounted to 788,867,000m., and the profits realised aggregated 194,214,000m. The thirteen works which showed a total loss amounting to 2,269,000m. represented an invested capital of 19,193,000m. The average dividend paid out by the chemical industry was 16.49 per cent.—viz., for the chemical works, 13.5 per cent.; for the dye works, 18.64 per cent.; and for the explosive works, 18.65 per cent. Two chemical firms, of which one was devoted to the manufacture of explosives, paid out a dividend of over 50 per cent., while thirteen paid between 25 and 50 per cent., seven between 20 and 25 per cent., and thirty between 15 and 20 per cent.

REDUCED AD VALOREM RATES.—As the result of negotiations which have been proceeding for some time with a view to the reduction of British shipping companies' *ad valorem* freight rates, the Chemical and Dyestuff Traders' Association has received a communication from the Department of Overseas Trade announcing "that the Magellan Lines have reduced the rate on valuable cargo (i.e., cargo exceeding 300l. per freight ton in value) from 5 per cent. *ad valorem* or 280s. per ton to 2½ per cent. or 200s. per ton, whichever pays the steamer better."



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

The Dosage of Thyroid Gland.

SIR,—I am pleased to notice in your issue of last week that, in "The Lancet," attention has been directed to the ambiguity which exists among medical men as to the dosage of thyroid gland. In order to arrive at a clear and definite understanding, a correspondence was recently opened with a number of practitioners and chemists as to the practitioner's intention and the chemist's interpretation with regard to actual prescriptions for thyroid tablets, and the replies proved that in some cases where the practitioner intended the prescription to be dispensed in terms of moist gland, the chemist dispensed the prescription in terms of dried gland; and that in other cases where the practitioner intended the prescription to be dispensed in terms of dried gland, the chemist interpreted the prescription in terms of moist gland. My records also show that for prescriptions which were written exactly alike, cases have occurred where practitioners intended, and chemists dispensed, the moist-gland substance; while, on the other hand, other practitioners intended, and chemists dispensed, the dried-gland substance. My own experience, therefore, combines the different experiences of Parke, Davis & Co. and Duncan, Flockhart & Co. The question as to what should be dispensed for "Tab. thyroid grain j." in my opinion, narrows the interpretation and clouds the real issue by introducing the quantity, suggesting that a chemist, in his desire to interpret correctly the practitioner's intention, is guided in his decision by the small dose, and would probably interpret it in terms of dried gland, while the same chemist might quite as readily decide that for "Tab. thyroid grains v." the practitioner intended the moist-gland substance. As the desire is to arrive at an exact description for a particular substance, the dose ought not to be a deciding factor. The chief difficulty arises when the prescription is written as follows: "Tab. extract. thyroid grain j." And I am in entire agreement with the statement in page 935 of the seventeenth edition of Martindale's "Extra Pharmacopœia," that thyroid "extract" is an unfortunate name to indicate "thyroideum siccum." The elimination of the word "extract," and the adoption of the nomenclature in the following examples would, in my opinion, entirely remove the present ambiguity.

(1) "Tab. thyroid."—When adopting this designation the practitioner should intend, and the chemist should dispense, tablets in terms of dried gland, on the ground that tab. thyroid could be regarded as a contraction for "thyroideum siccum" since that is the thyroid of the British Pharmacopœia.

(2) "Tab. thyroid gland."—When adopting this designation the practitioner should intend, and the chemist should dispense, tablets in terms of moist-gland substance.

(3) "Tab. thyroid. sicc."—In this case there is no difficulty, as the designation is unambiguous. The reduction of the dose of thyroideum siccum from 3 to 10 grains in the 1898 British Pharmacopœia, to $\frac{1}{2}$ to 4 grains in the 1914 British Pharmacopœia, has no doubt contributed to the present misunderstanding; but I trust the effect of the recent publicity given to this matter will impress practitioners with the necessity, in the interests of their patients, for refraining from using a loose designation, and the advantage of adopting exact nomenclature, so that the chemists may be able to dispense the prescriptions in accordance with the practitioners' intentions.—Yours faithfully,

20 Renfrew Street,
Glasgow.

A. B. GILMOUR.

The Supply of Contraceptives.

SIR.—The supply of contraceptives is, perhaps, rather a delicate subject for discussion, but I can hardly agree with "M.D., Ph.C." that it is part of the pharmacist's business to assist the public in this matter. As to the ethics of prevention, from a business point of view, we should not, perhaps, express our views, nevertheless each one of us may hold his own opinion on the matter, although I believe that in some religious denominations, the artificial restriction of families is looked on as a primary sin. But, apart from such extreme views as these, there are certain cases in which such methods can be justified, and they come principally under three headings—namely, abnormal conditions of wife, such as undue weakness or a state of prolapse; a family history of disease, such as tuberculosis or insanity; and extreme poverty. Whatever a man's opinions may be, I can hardly think he would risk his wife's life to propagate his species, or that he would beget disease-contaminated children, and the poverty-stricken offspring is defeated in life's battle from the start. Many pharmacists certainly stock and sell such articles, both surgical and otherwise, as some of their customers are advised by their medical men that it would be dangerous for them to have children; but very few chemists like the trade, and there is always the risk of the products being purchased for illicit purposes. Although I do not see how this can be avoided, it is not pleasant to think that one may have supplied unmarried persons, and if it came to the pharmacist giving judicious information on the matter, as "M.D., Ph.C." suggests, it would become a case of asking for the customer's "ring paper" first. For the window-display of such goods there is, of course, no excuse whatever, and, to the credit of the pharmacist, it is not done, except in a few localities with an unhealthy name.

Yours faithfully,

CONTRA SALES (19/9).

Many other letters have been received, from which we take the following:

Druggist (12/4) writes: There are no ethics of the control of parenthood save those of continence. . . . The substance of the last remarks of "M.D., Ph.C.," conveyed kindly and politely to would-be consultants is all that the occasion requires.

Chemicus (12/4), from moral considerations, would leave this particular line severely alone. He refers to the difficulty of guarding against the abuse of the information and concludes that "any exceptional cases may well be dealt with by a medical practitioner whose special province it is to advise."

Prospects of the Newly Qualified.

SIR,—Although the annual financial report of the Pharmaceutical Society may show record figures and may be very satisfactory at the moment to the Society, owing to the large number of grants to ex-Service men for training and their examination fees, there is one thing which does not appear anywhere, and that is the prospects of the men. There are already more qualified men than can be absorbed into the trade, and probably unqualified as well, and the number of student-associates is at present 3,533, of whom presumably the greater part will come up for examination during the present year. If, say, 1,000 are successful, what is to be done with them, when the men who qualified last year are not placed yet? In the meantime, the competition for berths is producing the usual effect, and qualified men are being offered amounts practically down to pre-war rates, with living expenses still more than double. As you point out, when the grants come to an end in 1922 the financial position from the Society's point of view will be very different. I do not know the number of candidates who have received a grant compared with those who have not, but these figures would give the probable expectations for 1923, when the position may tend to right itself. Unfortunately, the man at present out of work cannot afford to wait until 1923 for a job.

Yours faithfully,

GRANTA (9/4).

Legal Queries.

Doubt (7/4).—No licence is required for the sale of "finish," nor is express permission required before this form of denatured spirit can be used in manufactures.

H. B. (1/4).—"Purifying Crystals" consisting of sodium sulphate, and recommended for ailments, does not require a medicine stamp. See *The Chemist and Druggist Diary*, 1921, p. 261.

G. K. G. (23/3).—The use of a trade-mark especially appropriated to a medicinal preparation that is recommended for ailments is a claim to proprietary rights. Such a preparation must pay medicine-stamp duty.

W. M. R. (11/4).—We cannot register formulas for the "known, admitted and approved remedies" exemption until the next *Diary* is published, which will be at the end of the year.

J. H. B. (5/4).—The label you send for the Health Salt does not make the preparation to which it is attached liable to stamp duty, provided the composition of the article conforms with the requirements of the exemption. See paragraph on "Salines" in *The Chemist and Druggist Diary*, 1921, p. 266.

J. W. (12/4).—It is only applications for trade-marks which are printed in the trade-marks section of *THE CHEMIST AND DRUGGIST*, the object being to warn trade-mark owners who may consider that the proposed mark infringes existing rights. If there is no opposition to the granting of the trade-mark, the mark is registered as a matter of routine.

S. M. (21/3).—The Anti-Cholera and Diarrhoea Mixture label which you send follows the usual wording of this mixture. It should be marked "P.F. 1" to convert it into a "known, admitted and approved remedy" in accordance with the communication which we had from the authorities in 1912. Only the persons entitled to sell these remedies can sell the mixture unstamped with the label you send.

Cosmos (9/4).—(1) Temporary permission was given under the Cocaine and Opium Regulation to persons *bona-fide* engaged on July 28, 1916, in practising dentistry, but not registered under the Dentists Act, 1878, to purchase preparations containing not more than 1 per cent. of cocaine for use as local anaesthetics. No provision for continuing this exemption is made in the Draft Regulations under the Dangerous Drugs Act. (2) There is no monopoly in the use of the word "pharmacy" as a designation for business premises.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

F. R. D. (22/3).—An analytical chemist would not, we think, give a report on the physiological action of a remedy.

E. E. (6/4).—We do not publish a book on tropical diseases, but we think you will find the following suit your purpose: Murray's "How to Live in Tropical Africa," published by Simpkin, Marshall at 3s. 6d., and Cross's "Health in Africa," published by Nisbet at 1s.

S. W. (14/3).—BOOKS ON MANUFACTURE OF CEMENT.—As an introduction to the manufacture of cement we recommend you to obtain a pamphlet "Lectures on Cement," by Bertram Blount, published by the Institute of Chemistry at 2s. 6d. The same author has also contributed the article on cement in Thorpe's "Dictionary of Applied Chemistry," to which you can refer in a good technical library.

B. B. C. (21/3).—Palmitic acid could be used in the preparation of a vanishing cream, but you would need to carry out the necessary experiments for obtaining a successful formula.

G. F. B. (11/4).—LINSEED AND HONEY COUGH BALSAM.—The formula for which you ask is as follows:

Oxy. scillæ	...	...	lb. ix.
Syr. papav. alb.	...	...	lb. ij.
Syr. ribis nig.	...	...	lb. ij.
Tr. camph. co.	...	...	3xvj.
Vin. ipecac.	...	...	3viij.
Tr. opii	...	...	3viij.
Chloroformi	...	...	3ss.
Sp. vini rect.	...	...	3ij.
Inf. lini co.	...	...	3xx.

Dose: Adults, two teaspoonfuls.

L. L. (11/4).—CORN-PASTE.—The following is the formula for which you inquire:

Ac. salicylic.	...	...	...
Adeps. lanæ hydr.	...	...	...
Cera alb.	...	...	...
Paraff. moll., of each	...	1	part
Cocaine	...	...	$\frac{1}{8}$ part
Creosoti	...	...	$\frac{1}{2}$ part

Misce.

G. C. (11/4).—TENNIS RACKET-GUT PRESERVATIVE is usually a diluted white hard spirit varnish. The varnish is allowed to dry before using the racket.

A. M. (11/4).—You cannot bleach permanently a black spot on an animal's coat. As the hair grows, the new part will be the original colour.

S. C. W. (8/4).—(1) Wood's "Tablet Manufacture," published by Lippincott & Co., is the chief work on the subject it deals with. (2) The manufacture of ink is dealt with in "Pharmaceutical Formulas" (15s., office of C. & D.) and Mitchell and Hepworth's "Inks: their Composition and Manufacture" (Charles Griffin & Co.).

Spiritus (17/3).—The addition of a small quantity of rose and neroli oils is generally considered to improve the perfume of ylang ylang oil.

E. M. W. (29/3).—Pilfering of money has been detected by dusting the coins with aniline violet, the hands of the person handling the money being stained. The amount of dye employed is hardly perceptible to the eye.

G. J. C. (1/4).—THE ANT PEST.—If the nests can be located carbon bisulphide poured into a number of holes in the ground near the nests is effectual in destroying ants, as also are boiling water and paraffin oil. Where the nests cannot be located the ants may be trapped by moistening pieces of sponge with treacle and water, and when the sponge is covered immersing in boiling water. Borax is said to be fatal to ants, and may be added to the syrup. Arsenic is also used with the syrup.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," April 15, 1871.

Mr. Sandford's Resignation.

Mr. Sandford's resignation of the Presidency of the Pharmaceutical Society has occurred under circumstances [the rejection of the Poisons Regulations] which place him in the curious position of appearing as the sole advocate of despotic power. It is not necessary that we should come to the rescue. Mr. Sandford has won a high and honourable position in the trade, and he has no reason to fear that his past services will be forgotten now that a question has arisen which has compelled a separation between himself and those for whose interests he has devoted much labour and time. Those who for the moment are in political opposition to him, no less than his supporters, will know how to respect the firmness with which he has adhered to a course which he holds to be the most desirable for the benefit of the whole trade.

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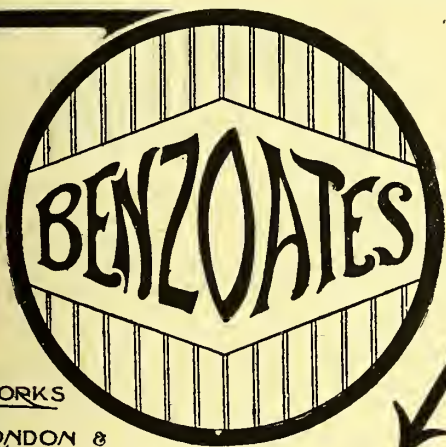


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	1 lb. Sod. Salicylas, B.P. " " " " " " " " " " " "	3 0
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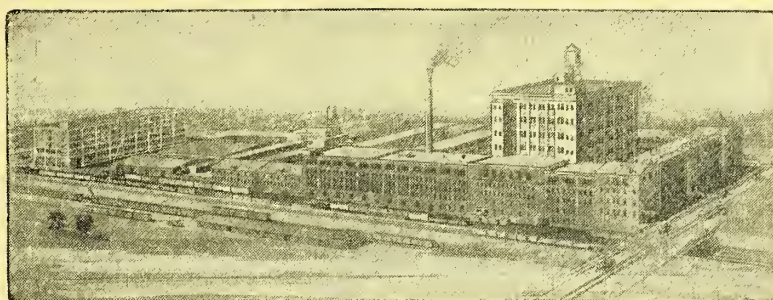
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POISONS and PHARMACY ACT.

Privy Council Order, Jan. 1, 1921.

Dr. J. Collis Browne's
CHLORODYNE

is not affected by the above Order, and therefore

does not require purchaser's signature

Proprietors: J. T. DAVENPORT, Ltd., 117 Union Street, S.E.1.

P.A.T.A. NOTICE.

113 Temple Chambers, Temple Avenue, E.C. 4.

16th April, 1921.

The following revised prices are now in force:

Advertised Price.		Minimum Retail Price.	Minimum Wholesale Price.
2/9	"Allenburys" Emulsion of Cod Liver Oil and Hypophosphites	2/9	24/9 doz.
5/-	Ditto ditto ...	5/-	45/- "
9/-	Ditto ditto ...	9/-	81/- "
1/-	"Ialine" Lysol (4-oz.) ...	1/-	8/- "
1/9	Ditto (8-oz.) ...	1/9	14/- "
3/-	Ditto (16-oz.) ...	3/-	24/- "
5/-	Ditto (32-oz.) ...	5/-	40/- "

"Torch" Brand Products—

8	Compound Syrup of Figs (3-oz.)	1/3	9/6 "
2/3	Ditto ditto (6-oz.)	2/3	16/- "



SHADFORTH

Prescription Service, Ltd.,

63 Grove Rd., Bow, London, E. 3.

25% Trade Terms to Retailers.

25% discount off the advertised retail prices. The advertised retail prices are the minimum retail prices in every case. By 25% it is meant that an article which you sell for 1/- will be invoiced to you at 9d.; that is, you get 3d. profit on each 1/- of your sales. We pay carriage on all orders amounting to 10/- net. Monthly account on approved trade references. We will prefer to charge through your wholesaler if it is more convenient to you.

33¹/₃% Special Bonus Terms to Retailers on £3 net orders. Cash with order.

Our best carriage paid terms to retailers are for an assorted £3 net order. The selling price of this order will be £4 10s. and the goods are exchangeable at any time for more saleable lines. With Special Bonus Terms we send you window show material and expect you to give us a display. On our part we undertake to advertise in your best local or county paper and mention your name as local agent.

12¹/₂% Trade Terms to Wholesalers.

12¹/₂% off the prices charged to retailers on condition that the retailer receives the full 25% discount. Terms of carriage as to retailers.

Governing Director: **Mr. William Shadforth**, Pharmaceutical Chemist,
63 GROVE ROAD, BOW, LONDON, E. 3. Phone 3644 East.
City Branch, 49 King William Street, E.C. 4. Phone 920 Central.

Please mention "C. & D." advt. No. 2, April 16, 1921, and mark your letter "Retailers' Department."

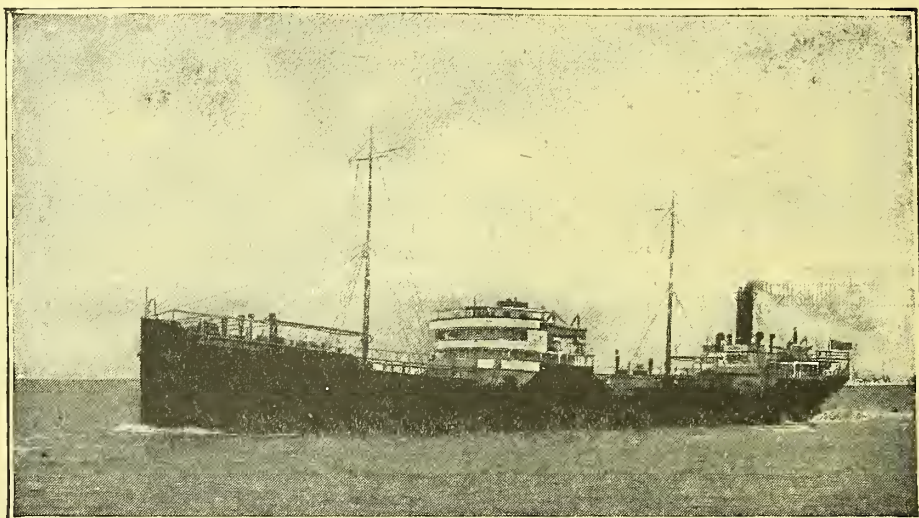
Doan's Terms

All goods now sent "Carriage Paid."
Best prices allowed on orders amounting to £7 : 16 : 0 in Great Britain, or to £7 : 1 : 0 in Ireland, Channel Isles and Isle of Man. Goods assorted as required.

Settlements :—All accounts are Net, payable end of month following that of date of invoice. For example: Invoice dated 1st May would be payable June 30.

FOSTER McCLELLAN CO.

8. Wells Street, Oxford Street, London, W.1.



Tank Steamer "NARRAGANSETT II."

Choice of Finest Materials

The Nujol Laboratories of the Standard Oil Co. are not restricted to one, or even several, producing centres for their raw materials. They operate the largest merchant fleet of steamers in the Western Hemisphere. The result is that the Nujol Laboratories are able to select for their product the finest crudes the world produces.

Nujol is produced in bright, cleanly well-aired factories, where the strictest sanitary regulations prevail.

A corps of expert chemists follow the product through manufacture, and tests are made during the various processes for purity and viscosity. Get your share of Nujol profits. They are larger than the average proprietary. The first purchase leads to repeat orders because Nujol is a treatment—not a single dose remedy. Orders received now will have prompt attention.

Nujol

TRADE MARK

FOR CONSTIPATION

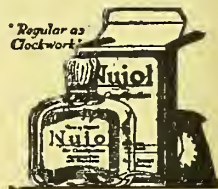
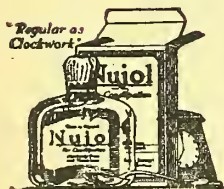
Made by the Standard Oil Co. (New Jersey), New York, U.S.A. If your wholesale house cannot supply you, write to the sole distributors for the United Kingdom: The Anglo-American Oil Co., Ltd., Minerva House, Bevis Marks, London, E.C.3. For India: Muller & Phipps, (India), Ltd., Bombay, Calcutta, Madras.

WRITE FOR FULL PARTICULARS.

Full details of Special Free goods offers, also advertising and window display materials, on application to the

ANGLO-AMERICAN OIL CO., LTD.

MINERVA HOUSE, BEVIS MARKS, LONDON, E.C.3.



Armour's Junket or Rennet

Powder and Tablets
Show the Retailer Profits of

50%

On Powder
at 7/- per dozen tubes.

75%

On Tablets
at 6/- per dozen tubes.

Carriage Paid on orders for 6 dozen tubes.

Free Bonus 1 dozen Tubes given with all orders for 6 dozen tubes

Armour's Junket retails at 9d. per tube, P.A.T.A.



STOCK up now for this Season's Requirements.

NOTE the special Measuring Cup fitted to the stopper of each tube of Armour's Junket Powder.

EVERY box of 1 dozen tubes is an attractive showcard in itself and makes a good display when open on the counter, or in the window.

Supplied by all Wholesale Houses.

ARMOUR AND COMPANY
LIMITED  LONDON

Queen's House, Kingsway, London, W.C.2.

Telegrams: "Armorum, Westcent, London."

Telephone: Holborn 5900.

AN ANTISEPTIC SOAP OF ALL-ROUND UTILITY

Germicidal Soap (McClintock)

contains 2% of Mercuric Iodide. It is well-known to surgeons and physicians, and being perfectly safe to use may be recommended for a variety of purposes..

To Doctors

As a convenient and reliable antiseptic for the hands in obstetric practice or after contact with contagious cases, or for preparing the skin over the site of operation.

For cleansing surgical instruments. It does not corrode steel or nickel.

To Nurses

As a convenient and quick-acting germicide for the hands, etc.

For disinfecting and cleansing linen used in the sick room.

To the Public

As a precaution against infection.

To destroy pediculi.

To remove odour due to perspiration.

As a shampoo for scurf or dandruff.

Minimum Retail Price ... 1/3 per large tablet.

Minimum Wholesale Price 9/7 net per dozen.

GERMICIDAL SOAP (McClintock) comes under Part II of the Poisons Schedule. No signature is needed, only the addition of an address slip.



PARKE, DAVIS & CO.

50-54, Beak Street, LONDON, W.1.

Laboratories - - Hounslow, Middlesex.

Finest BLACKS and COLOURS

(ALL SHADES)

*Soluble in Water, Spirit, Oil,
Turps, Benzoline, Glycerine,
Wax, Naphtha, Petroleum,
Creosote, in fact — anything.*

**BLACK
FOR INK.**

MARKING INK.

ETERNITE

Combined Preservative
and Stain for Wood.

HOUSEHOLD DYES.

**CARAMEL
COLOUR**

in Powder.

Guaranteed
Harmless.

50 times the concentration
of Liquid Caramel.

RHEUMSOL BATH SALTS in 1/- tins

WILLIAMS BROS. & CO.

HOUNSLOW, MIDDLESEX.

Petroleum Jelly

White, Yellow, Amber,
& Ruby Red, for all
Pharmaceutical and
Veterinary purposes

MEADE-KING, ROBINSON & CO., LTD.
LIVERPOOL - MANCHESTER - LEEDS.

Be prepared!

ADVERTISEMENTS for "Semprolax" are appearing regularly in all the best-known national dailies and weeklies. Be prepared for the certain demand for this elegant and palatable 80 per cent. Liquid Paraffin Conserve. Satisfies your customers and increases your profits and prestige.



Semprolax
LAXATIVE CONSERVE

P.A.T.A. Prices:
25% profit.

	Retail.	Per doz.
3 lb. ...	2/0	18/0
1 " ...	3/9	34/0
2 " ...	6/6	58/6

The
Wm. Browning Co. Ltd.,
Albert St, Regent's Park,
London, N.W. 1.

To Chemists

Will you please note that we have now completed our list of ENVELOPES, CIRCULARS, BILLS, BOOK MARKS, and WALLETS for advertising your

Photographic Goods

The Season is now on, it will pay you to send for Samples at once, and get them out, and we trust you will do good business.

Thomas Waide & Sons Ltd.

Medical Label Printers,

10, DARLINGTON STREET,

KIRKSTALL ROAD,

LEEDS.

PREMIER CASTOR OIL

IN BARRELS
IN TINS & CASES
IN DRUMS

PREMIER OIL EXTRACTING MILLS Ltd.
STONEFERRY,
HULL.

Also Manufacturers of

RAPE
SOYA
GROUNDNUT
OILS MEALS

LIQUID PARAFFIN
PETROLEUM JELLIES
WHITE OILS PARAFFIN WAX
STERN'S Limited,

Oil Refiners, Grease and
Petroleum Jelly Manufacturers,
80 Royal London House,
Finsbury Square, London, E.C. 2.

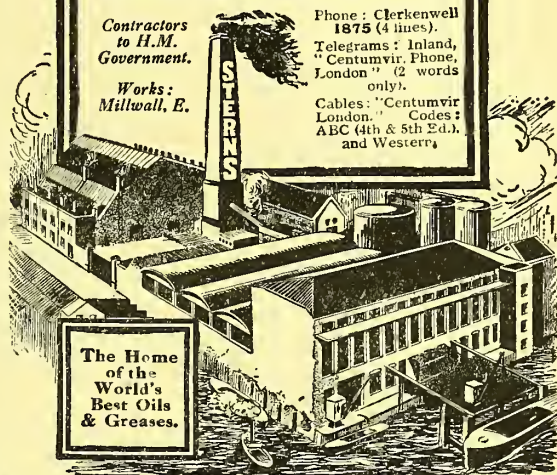
Contractors
to H.M.
Government.

Works:
Mittwall, E.

Phone: Clerkenwell
1875 (4 lines).

Telegrams: Inland,
"Centumvir. Phone,
London" (2 words
only).

Cables: "Centumvir
London." Codes:
ABC (4th & 5th Ed.),
and Western.



SALVO PETROLIA

The Perfection of Petroleum Jelly

MANUFACTURED SOLELY BY

THE DEE OIL COMPANY, Ltd.
DELTA WORKS, BOOTLE, LIVERPOOL.

Packed in barrels, kegs and smaller
packages according to requirements.

Other Grades

PETROLEUM JELLIES, WHITE BASES, ETC.

Samples and prices on application.

"OLEUM DEELINE," a certain cure for Eczema.

Phone: 186 Bootle.

Wires: "Cestrian Liverpool."

ASBESTOS FILTER FIBRE

Specially prepared for the filtration of Water, Beer, Spirits, Vinegar, Wines, Gelatine, Pharmaceutical Products and Essences.

GIVES A CLEAR AND
SPARKLING FILTRATE
AT A MINIMUM COST.

PURE, NEUTRAL AND INSOLUBLE.

Write for Samples and Prices to
TURNER BROTHERS ASBESTOS CO., Ltd.,
ROCHDALE, England.

Established over a Century.

SAMUEL THORNLEY, LTD.

WHOLESALE DRUGGISTS AND DRYSALTERS, OIL
IMPORTERS, GREASE AND VARNISH MANUFACTURERS.

Members of the Methylating Company, Limited.

Telephone:
2271 Central (3 lines).

Telegrams:
"TURPS BHAM."

Head Office:

6 Snow Hill, BIRMINGHAM.

Works - - - Slaney Street, Wharf Street.

Branches:

GOSTA GREEN.
GOOCH STREET.
DERITEND.
JOHN BRIGHT STREET.

BISHOP'S NATURAL FRUIT SALINE*What it is.***BISHOP'S
Natural Fruit Saline**

is free from sugar or saccharine, yet makes a delightfully palatable beverage. Clears the liver and kidneys, and acts as a mild aperient. It is manufactured in small granules and keeps well in any climate.

*It pays to push
BISHOP'S !*

*What it costs.***BISHOP'S
Natural Fruit Saline**

retails at 2/3 per bottle
P.A.T.A.

Wholesale price, 20/-
per dozen.

5 dozen - - £5 0 0

10% discount 10 0

Net £4 10 0

Carriage Paid.

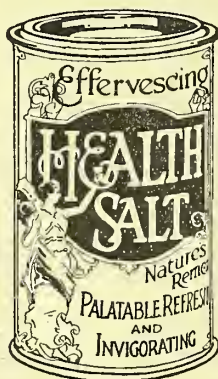
Thus showing a profit of
9d. per bottle.

*Attractive show material and
price cards sent with each order.*

PREPARED
ONLY BY

ALFRED BISHOP, LIMITED, 48 Spelman St., LONDON, E. 1

*You can meet any competition
with our new*

**HEALTH
SALTS**

A fine white mobile Powder, dissolving
with sustained effervescence.

Packed in Handsome Decorated Tins,
rendered air-tight by our special
process.

Contents guaranteed 4 oz. net weight.

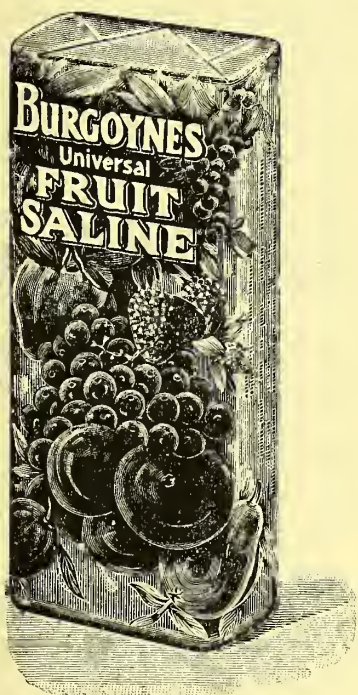
May we send you Sample Tin and quotation ?

LORIMER-MARSHALL LTD
12, TOWER HILL, LONDON, E.C. 3

EVERY PHARMACIST

can gather a profitable
lesson from the story of

Burgoyne's Universal Fruit Saline



SOLELY on account of its excellent properties, and unaided by any advertising campaign in the public press, Burgoyne's Fruit Saline has secured a permanent place in the front rank of household remedies. This is unmistakably proved by its steadily increasing sales.

A pleasant and effective beverage-aperient, it has established itself in thousands of homes because of the thorough manner in which it accomplishes its purpose.

A preparation which needs no recommendation after the first sale is obviously a profitable line for the chemist.

If you have not hitherto included Burgoyne's Fruit Saline in your stock you should prove its advantages for yourself without further delay.

By obtaining a supply now you will discover the desirability of making it a special feature during the coming Spring.

Price **17/6** per dozen.

Retails at **2/3** per bottle P.A.T.A.

A profit of **9½d.** on every bottle.

Post your order to-day to the Sole Proprietors & Manufacturers :

BURGOYNE, BURBIDGES & CO., Ltd.

EAST HAM, LONDON, E.



DON'T WAIT FOR THE HOT WEATHER

ORDER THIS
Special Bonus Carr. Paid Parcel (Window Show) Offer

NOW

G. O. LEMONADE

**NO SUGAR
REQUIRED.**

BONUS 1 DOZ. 6½d. IN PAYMENT FOR DISPLAY.

SELLS FOR **£4 11s. 4d.**

ATTRACTIVE SHOWCARDS & WINDOW SLIPS WITH ALL ORDERS.

12 dozen 2d. size ...	17	6
6 " 3½d. " ...	15	0
2½ " 6½d. " ...	11	9
1½ " 1/3 " ...	15	9
	£3	0 0

BONUS OF 2½ DOZ. 6½d. WITH ORDER FOR DOUBLE PARCEL COSTING **£6.**

WRITE—

THE GREENWICH LEMONADE CO. (J. MILNER, M.P.S.)
11 JOHN PENN STREET, LONDON, S.E. 13.

(LESS 2½ % FOR CASH WITH ORDER)

YOUR PROFIT IS NEARLY 40% ON TURNOVER.

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTI B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia.

(Wholesale only.)

Samples from Head Office, Thomas Street, DUBLIN, or London Office, 43 Great Tower Street, LONDON, E.C.3.

Sensen's

COD LIVER OIL EMULSION

FROM FINEST NORWEGIAN
COD LIVER OIL.

Enjoys highest reputation with the Medical
profession all over the World.

In Winchesters and Bottles.

SOLE PROPRIETORS—

HERTZ & CO., 9 Mincing Lane, E.C. 3

Established 1878.

Phone: Telegrams:
10607 Central. "Freshness London." [2]

WINGARNIS

Sells readily ALL the time.

COLEMAN & CO., Wincarnis Works, NORWICH.

IMPORTANT NOTE

TO CHEMISTS

WITHOUT LICENCES

It has been established
by law that Registered
Chemists may sell
"Wincarnis with
Quinine" without a
licence.

Natural Mineral Waters

WE beg to inform the Trade that we are now regularly receiving consignments of Natural Mineral Waters from the Continent and other parts of the World.

AESCLAP		MALVERN (ALPHA)
AIX - LES - BAINS (DEUX REINES)		MONT DORE
ALET		MONTMIRAIL
APENTA		MONTREUX
APOLLINARIS		NOCERA UMBRA
BARIIUM		PELLEGRINO
BONNES		PERRIER
BOURBOULE, LA		PLOMBIERES
BUFFALO-LITHIA		PLUTO
BUXTON		POLAND
CARLSBAD		ROYAT
CARLSBAD SPRUDEL SALT		RUBINAT-LLORACH
CHALLES		RUBINAT-SERRE
CHATEL GUYON		ST. BOES
CHELTENHAM SPA		ST. GALMIER
CONDAL		ST. MARCO
CONTREXEVILLE-		SANGEMINI
PAVILLON		SELTERS (IN STONE JUGS)
COULSWORTHY		STRETTON
EVIAN-CACHAT		SULIS
FARRIS		TANSAN
FLITWICK		VALS
GISSHUBLER (MATTONI)		VICHY-CELESTINS
HUNYADI JANOS		Do. HOPITAL
INSALUS		Do. GRANDE GRILLE
KREUZNACH		VITTEL
KRONENQUELLE		VILLACABRAS
LEAMINGTON SPA		WOODHALL SPA
LEVICO		WOODHALL MOTHERLYE

PRICES OF THE ABOVE QUOTED ON APPLICATION.

Any Natural Mineral Water not in stock, if procurable, can be imported to special order during the Season.

INGRAM & ROYLE, Ltd.

BANGOR WHARF, 45 BELVEDERE ROAD, LONDON, S.E.1.

Telephone: HOP 4343 (2 lines).

Telegrams: "INGRAM ROYLE, WATLOO, LONDON."

LIVERPOOL, 19 South John Street.

Telephone: BANK 4528.

Telegrams: "CELESTINS LIVERPOOL."

BRISTOL, Bath Bridge.

Telephone: 1113.

Telegrams: "SPRUDEL BRISTOL."

HAY'S 1921 LEMON

Prepared from the
FINEST NEW CROP
MESSINA LEMONS

and imparting the
"freshness and bite"

OF

FRESHLY PEELED LEMONS.

Sample and Quotation on application
Special Quotation for quantity.

WILLIAM HAY, LTD.

Essence Distillers

HULL AND LONDON

Head Office and Laboratories — HULL, England
London Depot — 3 YORK ST., WALWORTH, S.E.

Telegraphic Address : "Bushworth London." "Ginger Hull."
National Telephone : London, No. 2753.Hop. Hull, No. 488.
Code : A B C, 5th Edition.

An Excellent

Spring Line!!

TONIC HERB BEER TABLETS

Produce Foaming, Appetising,
Ambrosial Beer in a few seconds.

One Tablet added to half a pint of water produces one glass of
excellent non-alcoholic beer.

Packed in artistic tins (each containing
25 tablets) retailing at 1/6 per tin.

Wholesale Price **12/-** doz.

ARTISTIC AND UP-TO-DATE SHOWCARDS SUPPLIED

We can also supply in bulk; prices and samples on application.

C. R. Harker, Stagg & Morgan, Ltd.

DEVON WHARF and BELL WHARF

EMMOTT STREET, MILE END, LONDON, E. 1.



MALT & COD LIVER OIL

Prepared only from the Finest East-Coast Barley, combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 Gross and upwards.

Telephones:
Nitshill-Pollakshaws 14
London-Avenue 5661
(3 lines).

PERRY & HOPE, Ltd.

Telegrams:
"Perryope, Nitshill."
"Perryope, Ltd."
London."

NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

DIABETIC FOODS

Can you Supply Energen Gluten Foods

when the doctor recommends his patients to use them in their diet?

The ENERGEN FOODS are now being recommended by the Medical profession as they are the only ones that fulfil their requirements.



Packed in boxes, specially for Chemist's trade.

The most palatable and nutritious Gluten Foods on the market keeps perfectly

Manufactured in a model factory under periodical Medical supervision.

THERAPEUTIC FOODS CO.
19c Roundwood Road, Willesden, N.W.10.2

VITMAR

The Medical Profession are recommending VITMAR for delicate Children and Invalids.

If you do not yet stock it your wholesaler will supply you.

Manufacturers—

CALLARD & CO., Food Specialists,
74 Regent Street, LONDON, W. 1.

ATKINSON & BARKER'S INFANTS' PRESERVATIVE

THE BEST AND SAFEST INFANTS'
MEDICINE OF OVER 120 YEARS' STANDING.

Prices and Terms on application to **R. BARKER & SON, Ltd.**
13 Wesley St., G.-on-M., MANCHESTER.


**DOES
NOT
CONTAIN
any
SCHEDULED
POISON.**

**DR. HALE'S
VIN-SANGUIS**
WINE FOR THE BLOOD

Fountain of Health

If you have a Wine License we will pay the fee.
If not, get one, we will pay license.
Send for any further particulars

You agree to display "Vin Sanguis" always.
You give us an agreed initial order.
You always keep stock



**PROPRIETORS OF
DR. HALE'S VIN-SANGUIS**
Transcontinental Agencies Ltd
14, Southampton St., London, W.C.2

SUGAR CHEAPER

THIS MEANS THAT

Mason's Extract of Herbs

Will be in big demand this season

and chemists are requested
to replenish their stocks.

Send for Price List to

Newball & Mason
NOTTINGHAM.

Essences

Essential Oils

and

Aromatics

for all purposes.

PREPARED BY

A. Boake, Roberts
— & CO. LTD., —

**100 CARPENTERS ROAD,
STRATFORD, E. 15.**

Telephones : { East 846, 847.
 } Broadway 2440, 2441.
Telegrams : "Boake, Strat, London."

A SATISFIED CUSTOMER IS THE CHEMIST'S BEST ADVERTISEMENT

The Marvel Whirling Spray Syringe



Gold Medal Awarded, Paris, 1902,
by the Société d'Hygiène of France

as the latest and best improvement in Vaginal Syringes. Particular attention is called to the fact that by reason of its peculiar construction the Marvel Syringe dilates and flushes the vagina with a volume of whirling spray, which smooths out the folds and permits the injection to come into contact with and cleansing the entire surface.

Fully Protected by Patents.



You can safely recommend it.

Has no rival on the market, is well advertised, pays a good profit, quality guaranteed. The MARVEL is returnable for exchange if found defective and reported promptly.

Trade price, 125/- per doz.

Retail price, 15/- each.

FASSETT & JOHNSON, Ltd.
86 Clerkenwell Rd., London, E.C. 1.

Enemas

"Howard" (Black)	...	27/- doz.
Albion (Red & Black)	...	36/- "
Extra Heavy Black (Ingram's)	...	42/- "
Arabesque ...	...	54/- "

Small Tooth Combs

630c White Galalith (3½" long)	6/6 doz.
502c Horn (3½" long)	... 9/- "

Cloth Balls

2/6 doz.; (gross lots) 24/-

The Cheapest and Best House for all Sundries.

THOMAS SWALES,

Druggists' Sundryman,

24 Butts Court, and 89 Albion Street, LEEDS.

Telephone 22260.

GREAT REDUCTION

IN PRICES.

Vulcanite DOUCHE FITTINGS
and Pipes.

French SHAVING Brushes
also TOOTH Brushes

TO BE CLEARED.

New Lines in

NAIL BRUSHES

DUST COMBS

POCKET COMBS

Manicure Requisites

Hygienic Rubber Goods (a spécialité)
WHOLESALE ONLY.

RENÉ F. HEYMANS

9/10 DOMINGO STREET,

Tel.: 3765 City.

LONDON, E.C. 1.

TRADE



MARK

YOUR INQUIRIES SOLICITED.



IMMEDIATE DELIVERY.

ARTHUR BERTON, Ltd.15-17 Worship Street, LONDON, E.C. 2.
MANCHESTER and GLASGOW

77 Lower Chatham Street.

11 Miller Street.

Telegrams: "Aybelim, Finsquare, London."

Phones: Clerkenwell 1347, 1348, 1349 (Private Exchange).

ZEAL'S REGISTERED
Clinical Thermometer*The REPELLO* requires no shaking down

A 30-second pushed back in an instant.



Showing flattened bulb at end.

**NEW IMPROVED
LENS FINDER**

The only Easy Reading Magnifying Clinical on the Market.



IN FOCUS

OUT OF FOCUS

The square mark engraved on lens front locates the Mercury column immediately.

SPECIAL AWARD AND GOLD MEDAL, NEW ZEALAND, 1907.

SILVER MEDAL, INDIA, 1909. SILVER MEDAL, LONDON, 1913.

All Clinical Thermometers are N.P.L. Tested.

G. H. Zeal, 82 Turnmill St., London, E.C. 1

Wholesale Manufacturer of Clinical Thermometers.

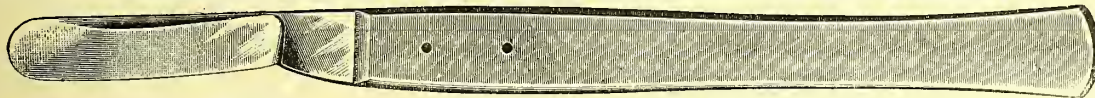
Contractor to H.M. Government.

Established 1888.

Tel. No.: Central 12438.

ELASTIC GUM SURGICAL INSTRUMENTS.

Catheters and Bougies, in Black or Brown Gum, and Finest Silk Web. Specula, Rectal and Esophageal Instruments, Horse Catheters and Cattle Probangs. Wholesale and Export only. Price List from the Manufacturers.

MASON BROS. & CHAPMAN, 107 Whitecross St., LONDON, E.C. 1.**"INTRINSIC" Brand (Highest Grade) SURGICAL KNIVES and SCISSORS.**ACTUAL MAKERS OF
Amputating, Dissecting, and Veterinary Knives,
Symes, Scalpels, Bistouries, Lancets, &c. Pen and
Pocket Knives, Table Cutlery. Razors.**J. MILNER & Co.**

Orient Works, 36 & 38 Matilda St., SHEFFIELD. (Estd. 1842.)

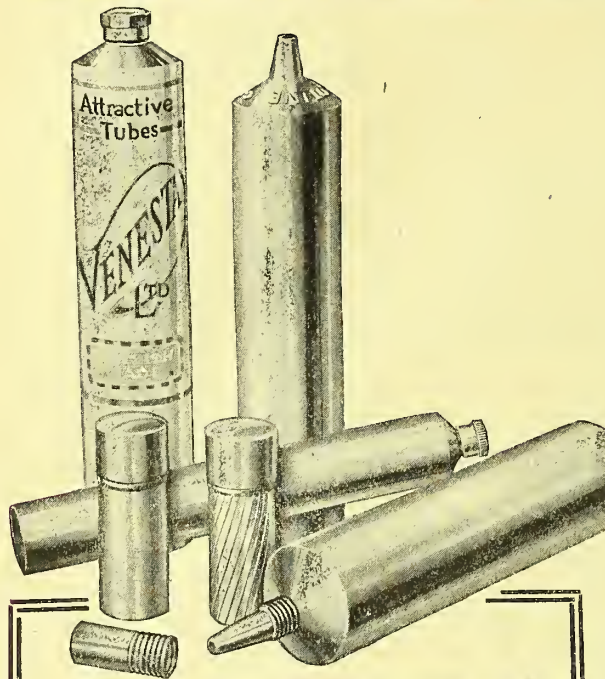
FOR

TRUSSES

TRY THE MAKERS:—

SAYERS, SILCOX, CUZNER & CO., LTD.,

14, 15, 16 PROSPECT STREET, HULL.



Venesta Tubes

When ordering your next supply of tubes remember that Venesta collapsible tubes possess a quality and finish that make them a real selling force.

They are made from Pure Tin, Lead or Lead-coated with Tin and supplied plain or enamelled and printed with designs to suit customers' own requirements.

We also supply Lip-salve Cases, Sprinklers, etc., and shall be pleased to forward illustrated lists, samples and current prices on application to—

G. Dept.

VENESTA LTD.

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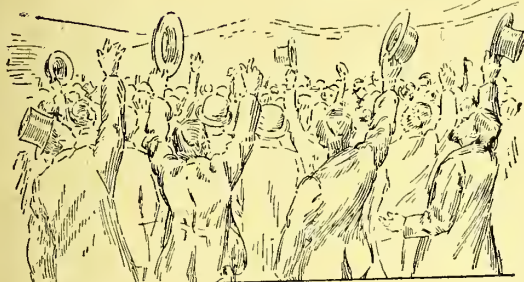
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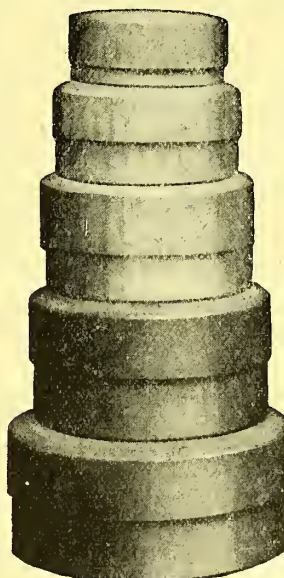
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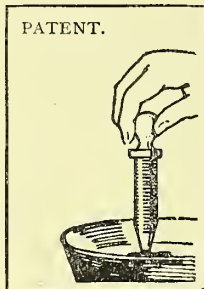
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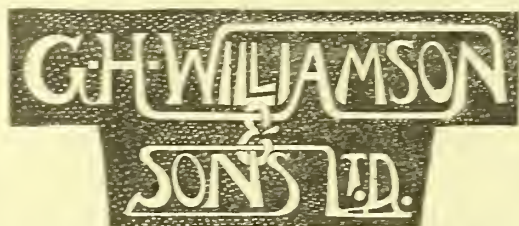
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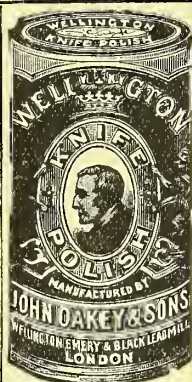


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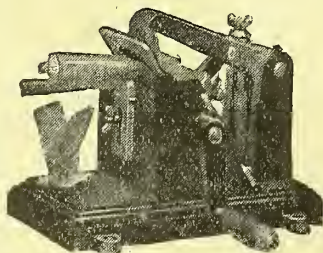
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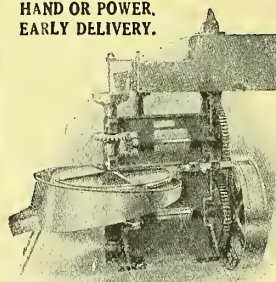
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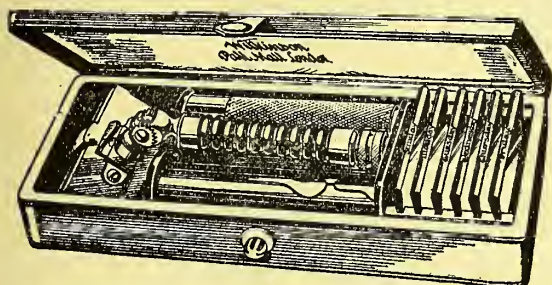
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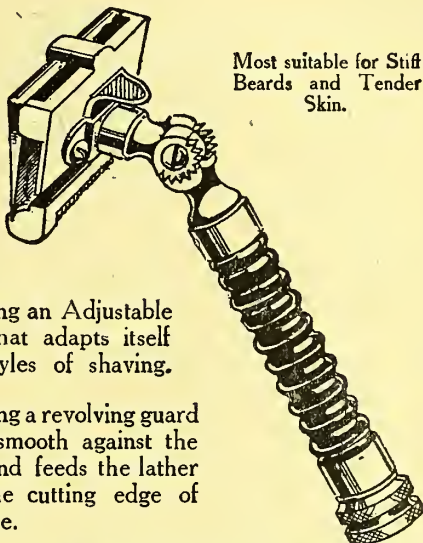
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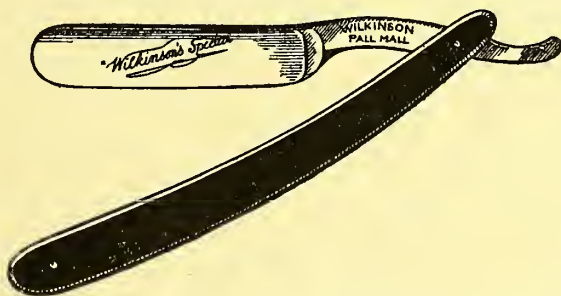
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187	Black	7½ × 1½"	15/0
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The hairdresser takes advantage of this fact, and by using it in his saloon, increases his sales. There is a wide demand for a brush which *will really brush* (made of pure wild boar bristles), if sold at a reasonable price.

The "Mason Pearson" Brush is a good friend to the chemist. It is widely advertised to the public at a fixed price, and a good discount is allowed to the retail trade.

Each brush is nicely packed in a carton with cleaning brush and instructions for use enclosed, is suitably arranged for display, and as regards price is one of the safest lines in brushes to stock at the present moment.

We strongly recommend our customers to display a few of these brushes in view of the advertising campaign now proceeding.

	<i>Popular.</i>	<i>Standard.</i>	<i>Extra.</i>
<i>Wholesale Prices</i>	7/4	10/6	13/- each.
<i>or in dozen lots</i>	84/-	120/-	148/- doz.
<i>Retail Fixed Price</i>	10/6	15/-	18/6 each.

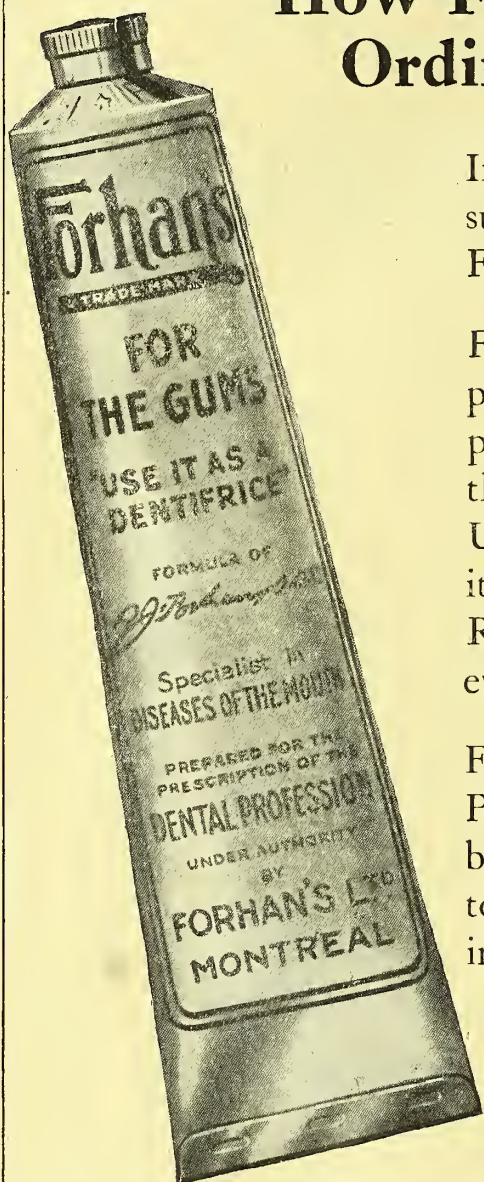
To be obtained from

FRANCIS NEWBERY & SONS, LTD.

Wholesale Druggists' Sundriesmen,

27 & 28 CHARTERHOUSE SQUARE, LONDON, E.C.
AND CARDIFF.

How Forhan's Differs from Ordinary Tooth Paste.



In selling Forhan's For the Gums, be sure to impress on your customers that Forhan's is not an ordinary dentifrice.

Forhan's For the Gums is a specially prepared medicinal paste combining preventative and curative qualities for the home treatment of Pyorrhea. Used in time and used consistently, it positively prevents Pyorrhea. Recommended by leading dentists everywhere.

Forhan's will build goodwill for you. Prepare to benefit by our advertising by placing your order for Forhan's to-day. Write for prices and trade information.

THOS. CHRISTY & CO.
4-12 Old Swan Lane,
London, E.C. 4.

Forhan's

FOR THE GUMS

THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C. 4

APRIL 16, 1921

This Supplement is inserted in every copy of The Chemist & Druggist.

THE SUPPLY OF SUPPLEMENTS.

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note, therefore, that, in future, instructions can be accepted for not more than six successive issues of the Supplement at a time, and that in every case

ADDRESSED WRAPPERS STAMPED ONE PENNY

must be sent. Loose stamps will not be accepted.

EARLIER CLOSING FOR PRESS. Will advertisers please note that until further notice it will be necessary that Advertisements

ended for the Supplement must be sent to us not later than the **FIRST POST THURSDAY MORNING.**

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION,

LONDON, E.C.—Old-established Business, capital situate in the leading thoroughfares of the City; returns upwards of £100 per annum; net profit £600; lock-up shop; held on lease; investigation invited; price about £1,250.

SOUTH KENSINGTON.—Modern Pharmacy, well fitted and stocked; returns about £4,000 per annum; scope for development under energetic management; chiefly ready-money business; lock-up shop; further particulars on application.

MAYFAIR.—Good-class Retail and Dispensing Business, situate in the centre of good residential locality; lock-up pharmacy; well fitted and fully stocked; net income between £500 and £600 a year; price to be arranged equitably.

POPULAR HEALTH RESORT.—Old-established Business in close proximity to Railway Station; returns upwards of £1,400; good opening for modern trading; comfortable residence; held on lease; price about £2,000.

MIDLANDS (large manufacturing town).—Ready-money business, situate in the centre of town; returns £3,000; net profit about £750; price £2,500.

NORTH STAFFS.—Modern Cash Retail, with N.H.I. Dispensing; returns upwards of £3,000 yearly; moderate rental; lease will be granted; price £1,250 cash.

LEEDS.—Middle-class Retail and Dispensing Business; good position; returns upwards of £1,000; scope for extension; comfortable residence; price to be agreed equitably.

LIVERPOOL (about 25 miles from).—Old-established Business, well situate in good market town; returns, present rate,

about £2,000 per annum; comfortable residence; nice garden; healthy district; price £1,000 cash.

9.—SURREY (few miles out).—Good-class Retail and Dispensing Business, situate in a favourite residential town within easy distance of London; returns, under management, about £3,000 per annum, at good prices; well-appointed shop, fully stocked; the Business offers scope for extension under personal supervision; price £3,000.

10.—CHESHIRE.—Cash. Retail Business; established upwards of 50 years; returns last year between £3,000 and £4,000; gross profit £1,300; well-fitted shop, fully stocked; seven-roomed house; private entrance; rent £40; held on lease; price £2,150.

11.—WEST MIDLANDS.—Well-established Business, situate in small town; returns about £1,300; profit (net) 25%; vendor estimates the value of stock and fixtures at £900; there is a comfortable residence, with fruit garden and lawn; the premises may be purchased if desired; price for Business £900.

12.—SCARBOROUGH.—Cash Retail Business; returns £3,000 per annum; gross profit one-third; inclusive rent £120 yearly; owing to the vendor's illness a prompt sale is necessary; terms, simply the valuation of stock and fixtures.

13.—LONDON, S.W.—For immediate disposal, a Wholesale Business in Toilet Preparations, showing a 50% profit on the turnover; well-appointed premises; held on lease; valuation terms entertained.

14.—SOUTH COAST (seaport town).—Modern well-fitted shop and large stock; returns about £3,000; price £2,000, or offer entertained.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account, by which means alone Profit and value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties and make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

1.—EASTERN COUNTY.—Good medium-class cash retail, with valuable proprietaries; in best position, market town; returns £5,000; books properly kept and audited; very heavily stocked; good house attached; price £3,500; only cash buyers entertained; references required.

2.—VICTORIA STATION (near).—Very profitable cash retail, in good position. Present returns £35 a week under manager; could easily do £50; rent covered by let-off; no living accommodation available at present. Well fitted shop; good stock. Price £1,450, including leasehold.

3.—NORTH KENSINGTON.—Cash drug stores for quick sale. Returns, £1,200, under indifferent management; plenty of scope; lock-up shop only. Rent, £35 clear. Valuation terms arranged, in all about £500; worth attention.

4.—LONDON, W.—Well-established cash retail business in splendid position. Returns about £4,500; net profit fully £1,000; books properly kept and audited; long valuable lease at low rental; house attached. Price, £3,500. Cash references required.

ESTABLISHED 1870.

The Association of Manufacturing Chemists

— LIMITED —

**Head Offices — 26/28 Kimberley House,
Holborn Viaduct, London, E.C.1
(and at 2 Bixteth Street, Liverpool).**

PHONE: CITY 6942.

Having successfully negotiated the sale of two Wholesale and two Retail Chemists' Businesses during the past two weeks, we shall be glad to hear from intending vendors who desire to be put into communication with bona-fide purchasers. We have a large register of genuine buyers, with capital from £1,000 to £3,000 or more, and can guarantee prompt and satisfactory sales.

Our terms are reasonable, and we make no charge whatever unless a sale is effected through our agency.

We have the following Businesses for Sale:

1.—CORNISH COAST.—Good-class Retail Dispensing and Photographic Business; returns £40 per week; very low rent and nicely fitted shop; long lease; good house accommodation; offers invited.

2.—NEAR LUDGATE CIRCUS.—Good-class Cash Business; returns £57 per week, at excellent profits; rent £80 per annum; established 30 years, and in present hands 6 years; lock-up shop; good reasons for disposal; price £2,000, or offer.

3.—KENNINGTON.—Old-established Retail and Dispensing Business; returns £30 per week under management; long lease would be granted at nominal rent; good living accommodation; well fitted and stocked; price £650 or offer.

4.—BETHNAL GREEN.—Market thoroughfare; returns £18 per week under Manager; lease can be had at small rental; scope for increase.

5.—LONDON, E.C.—In working-class market place; lock-up shop and basement; reasonable rent; returns £25 to £30 per week under Manager; price £950 or reasonable offer.

PARSON C. BAKER, Ph.C., M.P.S.,
4 Cyprus Rd., N.3. Tel.: 941 Finchley

WM. ROOKE ROBERTS, M.P.S., F.S.M.C.,
174 Victoria Street, S.W. 1. Tel.: Victoria 27.

Valuers for Purchase, Sale, Probate, Income Tax, Balance Sheet, &c.

Recommended by The British Drug Houses, Ltd., Messrs. Messgeson, Ltd. Messrs. Barclay & Sons, L.d., and many other leading Wholesale House Valuers to the Association of Manufacturing Chemists.

ERNEST J. GEORGE

Stocktaking and Valuation for all purposes.
Chemists' own Inventories Priced and Analysed.

202 BIRMINGHAM ROAD, WALSALL,
And 26 LANGSIDE RD., NEWLANDS, GLASGOW.

CHARLES C. MARSDEN

Valuer, Transfer Agent & Stocktaker,

44 Sholebroke View, Chapeltown Road, Leeds.

Stocktaking Valuation. Special Terms.

All Valuations have the personal attention of C. C. Marsden.

BUSINESSES WANTED.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

NORFOLK OR SUFFOLK (preferred).—Retail Chemist's Business, having opportunities for Photographic and Optic required by energetic Pharmacist who has high references and cash available; full information requested in strict confidence Simmons, 11 Trinity Street, Norwich.

SUSSEX, Surrey, Hants, or near.—Wanted at once, for cash good-class Business, in country or health resort, doing £3 to £50 weekly; replies received confidentially; genuine Business only, with good living accommodation; references given. Keeble Balconies, Liss, Hampshire.

A PHARMACIST desires to purchase a genuine Business, South preferred, but not essential, with turnover between £1,000 and £1,500; one having scope for increase; please give full particulars as to the locality, class of business, and price asked, which will be treated in strictest confidence. "Statim" (69/31), Office of this Paper.

CHEMIST'S Business or Drug Store; living accommodation an advantage; Midlands preferred, but not essential. Particulars, in strict confidence, 71/26, Office of this Paper.

WANTED, genuine small Middle-class Retail Cash Business in good suburb or country district; comfortable living accommodation essential; cash available; particulars in strict confidence. 71/12, Office of this Paper.

WANTED, Business, taking £4,000 to £5,000 per annum main road London or South Coast town; quick cash trade must be well fitted and with good window space; immediate cash for suitable business. Replies in confidence to P.C.B. 77/11, Office of this Paper.

WANTED, a genuine, old-established Family Dispensing Prescribing, Photographic Business, with or without Agricultural and Veterinary connection; turnover about £4,000; good house and garden essential, or one procurable, freehold if possible, with option of purchasing if desired, in Surrey, Kent, Oxfordshire, but South Wales and Midlands objected to. Mumford 112 Singleton Avenue, Birkenhead.

WANTED, small Business, with house attached; London or South Coast town preferred; a neglected or Mixed Business not objected to provided there is scope for increase. For details re business and house accommodation to A. C. Reppe Station Road, Burnham-on-Crouch, Essex.

WANTED, genuine good-class Retail and Dispensing Business in or near London, with convenient residence; must be every investigation; all communications treated in strict confidence; cash available up to £2,000. I. D., 13 Mobwell Terrace, Great Missenden.

APPRENTICESHIPS.

APPRENTICE.—Smart, well-educated youth required; in a health resort; good-class Dispensing Business. Particulars A. Thresh, Pharmacist, Buxton, Derbyshire.

LEGAL.

JOSEPH SANLEY, Deceased.

PURSUANT to 22nd and 23rd Vict. c 35, NOTICE IS HEREBY GIVEN that all Creditors and other persons having any debts, claims, or demands against the Estate of Joseph Sanley, of Lowther Street, Whitehaven, in the County of Cumberland, Chemist, and who traded under the style or firm of "Wilson & Kitchen," Wholesale and Retail Chemists and Druggists, Dry-salters and Cement Merchants, at Whitehaven, aforesaid, deceased who died on the 7th day of November, 1915, and whose will with two Codicils thereto was proved in the Principal Probate Registry on the 6th day of October, 1916, by J. R. Thompson, of Whitehaven, aforesaid, Solicitor, and George Hill, now of Bassenthwaite Lake in the said County, Retired Bank Manager, the Executors therein named) are hereby required to send in the particulars of their debts, claims or demands to me the undersigned, the Solicitor for the said Executors, on or before the 14th day of May, 1921, after which date the said Executors will proceed to distribute the assets of the said deceased amongst the persons entitled thereto, having regard only to the claims and demands of which they shall then have had notice; and they will not be liable for the assets of the said deceased or any part hereof, so distributed to any person or persons of whose debts, claims or demands they shall not then have had notice.

Dated this 4th day of April, 1921.

J. R. THOMPSON,
Solicitor for the said Executors.

Whitehaven.

TENDERS.**CORPORATION OF LONDON.****DISINFECTANTS.**

The Sanitary Committee of the Corporation of London are prepared to receive TENDERS for the supply of such Disinfectants and Chemicals as may be required by the Corporation for a period of twelve months from the 1st July, 1921.

A list of such Disinfectants, &c., and forms of tender may be obtained at the Office of the Town Clerk, Public Health Department, Guildhall, E.C. 2.

Tenders, which should be on these forms, addressed as above, and endorsed "Tenders for Disinfectants, &c.," must be delivered on or before the 23rd day of April, 1921.

The Committee do not pledge themselves to accept the lowest or any tender.

BELL.

FOR SALE.

The Advertiser may if preferred have replies addressed to this Office, and forward on payment of an additional charge of 1/-.

AMERICAN Optical Co. Trial Case, mahogany roll top, lift out tray, handsome leather case for carrying same, over 220 mounted Lenses; also valuable adjustable Trial Frame; all in perfect condition; never used; best offer over £20. Halley, Pharmacist, Albion Parade, Stoke Newington.

NASH-REGISTER Till, £12 12s. model; strong dovetailed case, richly French-polished; patent check-action drawer; large sh capacity; accept £4 4s.; also smaller model, £3 5s.; approval 11/11y. 3 Aubert Park, Highbury, London, N. 5.

ODA Fountain (Matthews), second-hand; complete with glass washer; excellent condition; inspection by appointment. Rite Ford, 67 St. John's Road, S.W. 11.

URPLUS, what offers? Pilocarpin. Nitros, 3 drams; Atropin. Sulphas, 80 grains; Strychnin, crystals, 3 drams; Coccus oil, 12 oz.; Guaiacol Carb., 2 oz.; 3 doz. Enemas, 12s. doz. Good Pharmacy, Ltd., 78 High Street, Strood, Kent.

6 LB. Ol. Carui, 2 oz. Atropin. Sulphas; no reasonable offer refused. 72/22, Office of this Paper.

PARTNERSHIPS.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

AN opportunity occurs to obtain a Partnership in an old-established and select Dispensing Business in a popular health resort on the South Coast; there are two Pharmacies, each on the main shopping thoroughfares in their locality. Apply, by letter, to "Pharmakos," c/o Messrs. The British Drug Houses, Ltd., 22/30 Graham Street, City Road, London, N.

GENUINE Retail Business wanted, with good turnover; valuation of stock and fixtures, plus a sum to be agreed upon, goodwill, or lump sum, including reasonable goodwill, acceptable; partnership entertained, with view to succession later; all deals will be treated confidentially. 72/40, Office of this Paper.

PROGRESSIVE Wholesale Manufacturing Chemist in Lancashire, established 12 years, with good connection, stock, and chimes, requires an ambitious Working Partner, with small capital, to further develop business; excellent prospects, particularly for good, energetic Salesman with connection. Apply 7/39P, Office of this Paper.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

CAMBRIDGESHIRE.—Old-established Light Retail Chemist's Business; side-lines Photography and Electricity; fine look-up shop; well stocked; in main thoroughfare; reason of sale illness of proprietor. For further particulars apply "Mab" (62/13), Office of this Paper.

LEEDS.—Genuine Drug Stores on main tram route; taking round about £40 and increasing excellent profits; qualified should do £50 easily; great scope for N.H.I.; no opposition; rent now £22 only; three store rooms and cellars, well stocked; price asked £1,500, or will exchange for smaller business on coast. Apply "A. E. A.," c/o 30 Claro Avenue, Leeds.

LONDON, N.—Genuine middle-class Retail Business, with N.H.I. and Photography; established over 40 years; cash returns about £3,000; house and small garden attached; good lease, etc.; price about £2,000; only buyers with ready cash need apply; banker's reference required. Apply "Oxo" (72/29), Office of this Paper.

NORTH WALES.—Good-class Light Retail, returning now at rate of £2,000; good house and large garden, with fruit trees, etc.; desirable locality; price £1,100. Apply 45/100, Office of this Paper.

MIDLANDS.—Good-class Light Retail, with fine opening for either Photo, Dental, or Optics; returns £1,800; large house; rent £40, on lease; satisfactory reason for sale; price £1,200, or near offer. 45/10B, Office of this Paper.

SOMERSET.—Good-class Dispensing, Agricultural, and General Retail Business; death vacancy; market town, best position; returns 1920 £5,000; well-fitted shop; reasonable rent, and lease 11 years to run; convenient nine-roomed house; price £3,500 or near offer. Apply Evans, Gadd & Co., Ltd., Wholesale Druggists, Bristol.

SOUTH COAST.—Splendidly fitted Shop, well stocked, for immediate disposal; low rent; good living accommodation; all at £375 for quick sale; owner going abroad. Apply "Veneris" (71/21), Office of this Paper.

SOUTH WALES.—Rapidly developing district; fine modern shop, good house attached, with separate entrance; wine licence; price, including premises, leasehold 80 years, £3,000. For particulars apply "Gwalia," c/o Southall Bros. & Barclay, Ltd., Chemists' Valuers, Birmingham.

SOUTH-WEST.—Retail Country Business; Photographs and Sight-Testing; central position; scope for increase and great opportunity for Dental work; d.f. shop, well fitted and stocked; returns £50 weekly; rent £40, lease; side entrance, with living accommodation; easily worked; price £2,000 or near offer; genuine Business; open to investigation by buyers with references. "Devon" (66/5), Office of this Paper.

COMPANY Registration for Sale; wide memorandum; registered prior to November 1916. Write to 21/22L, Office of this Paper.

FOR Sale, old-established Business (modernised); main thoroughfare, near Whiteley's; unexpired lease 27½ years; rent £200 per annum; turnover £2,000; could be greatly increased; upper part could be let off for £130 year; no reasonable offer refused; owner anxious to move into country. Apply 21/23L, Office of this Paper.

GOOD-CLASS Dispensing and Retail Business near London (returns £2,000) is offered in exchange for similar business on Essex or Kent Coast (N.E. or E.), or residential town in Kent, Sussex, or Surrey; excellent house on long lease is offered and required, also good garden if possible. Apply 69/20, Office of this Paper.

WHOLE Chemist Shop Fittings and Stock (Glass Cases, Bottles, etc.), to be sold; end of lease; owner going abroad; rare opportunity for anyone intending to start a new business; no reasonable offer refused. Apply in first instance in writing to "A. A. M.," 152 Great Portland Street, W. 1.

AGENCIES.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

A GENTLEMAN who has a good agency in Ireland wishes to take up one or two others on commission basis. Apply 69/21, Office of this Paper.

AGENTS and Representatives required for "Hygeia" Specialties in all districts not at present represented; selling propositions which offer unique opportunities to first-class Salesmen with good connections amongst high-class Chemists, Perfumers, Stores, etc.; well supported by artistic advertising, art showcards, brochures, etc.; sell when shown; state area, present connections; liberal terms offered. Write, Sole Concessionaires, The Barry Douglas Co., 11 Adam Street, Adelphi, London, W.C. 2. Telephone: Regent 1998.

REPRESENTATIVES required, on commission, for all districts, except Birmingham and district, London and district, Lancashire and Yorkshire and Wales, to carry first-class seasonable Proprietaries; light samples and attractive show matter; enormous sales on ground already covered; connection essential; series whole-page advertisements, C. & D., commencing shortly; good commission. 6/63, Office of this Paper.

PRO Commission Agents.—Chemist in South African town seeks the services of a reliable Buyer in London, upon cash with indent basis; turnover £1,000 per annum, increasing. Reply fully to 64/6, Office of this Paper.

SITUATIONS OPEN.

RETAIL.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

CHESTER.—Wanted, competent Assistant; age about 23; unqualified; accustomed to good-class Dispensing and Light Retail; state particulars of age, height, experience, references, with salary (outdoors). Thos. Carter, Pharmaceutical Chemist, Boughton, Chester.

DEVON.—Wanted (immediately), thoroughly experienced Assistant for good-class Dispensing business; must be quick, neat, and accurate. State full particulars of experience and salary required, 69/36, Office of this Paper.

DOUGLAS, ISLE OF MAN.—Wanted, Assistant, unqualified, with good knowledge of Photography, from the beginning of May to end of September. Apply, stating particulars as to experience, age, height, references, salary (outdoors), to Gelling Bros., M.P.S., Broadway.

FOLKESTONE.—Wanted, competent Assistant (male), experienced in first-class Dispensing and Retail; age 26-30. Please give full particulars as to experience, references, and salary required (outdoors), to Hall & King, West Cliff Pharmacy, Folkestone.

ILKLEY, Yorks.—Reliable Junior (unqualified) for good-class Retail and Dispensing business; knowledge of Photography essential; must be gentlemanly, good Salesman, and not afraid of work. State full particulars and salary required (outdoors) to Swale, Chemist, Ilkley.

KING'S COLLEGE HOSPITAL, Denmark Hill, S.E. 5.—Wanted, young, qualified Locum Tenens, Assistant Pharmacist, from June 13th to September 17th inclusive; Hall qualification not sufficient. Apply to E. B. Fairweather, Chief Pharmacist, King's College Hospital.

LONDON, Central (outdoors).—Junior Assistant (British, male), for about the middle of May; preferably qualified, and not over 30; some Continental experience an advantage. Apply, by letter only in first instance, giving full particulars of age, total experience, qualification, salary required, etc., to Mr. Ellerington, c/o Frizell & Co., 1 Cranbourn Street, Leicester Square, W.C. 2.

LONDON, N.E.—Qualified Manager wanted; good Counterman and Window-dresser; guaranteed salary and share of profits. For a keen business man with initiative this is a unique opportunity; send full particulars with first letter; communications not answered within a week respectfully declined. "Ucalus" (70/20), Office of this Paper.

LONDON, N.W.—Required, good all-round unqualified Assistant, outdoors, gentleman, about 30, for Family Retail, Dispensing, and Photography. Full particulars to "H. W." (P.C.B. 77/32), Office of this Paper.

LONDON, S.W.—An Assistant Dispenser is required at the Battersea Provident Dispensary on five evenings weekly, from 5.30 to 8.30, and every third Sunday from 7 to 9 o'clock; Hall qualification essential. Apply, by letter only, stating age, experience, and salary, to Secretary, Battersea Provident Dispensary, 185 High Street, S.W. 11.

LONDON, W.—Unqualified Junior wanted immediately; age 21-24, male, smart appearance, for good-class General, Retail, and Photographic Business; good Salesman and Window-dresser essential; no Sunday or holiday duty; outdoors. State full particulars, salary, experience, etc. Apply "M. H." (71/35), Office of this Paper.

MANCHESTER (NEAR).—Wanted, a smart, qualified man for branch; not afraid of work. Apply, stating age, experience, and salary required, and enclose photo (to be returned), to 37/21T, Office of this Paper.

MONMOUTH.—Wanted, immediately, Junior Assistant or Improver (male) in good-class business; very little Insurance Dispensing; no Sunday duty; healthy town, in a beautiful neighbourhood; state usual particulars and salary required; outdoors. f. Evans, Chemist, Monmouth.

PLYMOUTH.—Wanted (immediately), qualified Assistant, over 30, for a few months; possible permanency for right man; must be good Salesman, accustomed to quick middle-class Counter trade; good Photographic knowledge essential. Apply, stating age, experience, references, and salary required (outdoors), to "Salesman" (72/7), Office of this Paper.

REIGATE, SURREY.—Wanted (May 1st), a thoroughly experienced Assistant, accustomed to high-class Retail and Dispensing; one with knowledge of Photography preferred. State usual particulars and salary required (outdoors) to A. J. Pratt, Pharmacist, Reigate.

RHONDDA VALLEY, SOUTH WALES.—First-class Manager (Welsh) for good business, house attached; prospects excellent to a really good man; reference must be undeniable; state full particulars in first letter. Apply 63/15, Office of this Paper.

RICHMOND DISTRICT.—Lady Clerk required for Filing and general Office work; some knowledge of Chemistry, shorthand, and Typing essential. Write full particulars of qualifications, experience, age, salary, to G. B., "The Cedars," Sheen Lane, Mortlake, S.W. 14.

RUGBY.—Wanted, a Junior Assistant (unqualified) in brick business, where three are kept; must be a competent Dispenser and Salesman, and able to undertake Window-dressing knowledge of Photographics an advantage. Full particulars stating salary required (outdoors), Fleet, Chemist, Rugby.

SANDOWN, I.W.—Smart Junior or Improver (male) required in good-class Pharmacy (May till September), to assist Counter and Dispensing; knowledge of Photography. Apply stating age, experience, references, and salary required (outdoors) to Woolings, High Street, Sandown, I.W.

A COMPETENT, trustworthy, qualified man as Senior for good Dispensing and Retail business. W. Pickard, 3 West Kensington Terrace (opposite West Kensington Station), W. 14.

A SSISTANT wanted; one capable of taking charge of Count if necessary. Apply, by letter, S. Baldwin & Co., Waiworth Road, S.E. 17.

C APABLE Assistant (male); unqualified; indoors; state salary and experience. "A. B. C." (70/24), Office of this Paper.

C OMPETENT lady Assistant required; preferably Minor after regular apprenticeship; Dispensing, Counter, Packing; hours 49 weekly; give full particulars by post, without photo, in first instance, stating salary required (outdoors); approved accommodation, board and washing, 30s. weekly. Sadler, Chemist, Crawley, Sussex.

I MMEDIATELY.—Unqualified (25 to 35); must have undeniable references; take some night duty each week; accustomed to good-class business; Photography. Apply the Manager, Heppes 78-79 Strand, W.C.

J UNIOR Assistant (male) for Light Retail, Dispensing, and Stockkeeping; short hours; no Sunday duty. Apply, stating previous experience and salary required (outdoors), to Wm. G. M.P.S., 207 Radford Road, Nottingham.

J UNIOR, for a good-class country business; must be energetic, willing to assist generally, and have good reference; 49 hours, no Sunday duty, and comfortable berth; please state particulars, salary, etc. Bates & Hunt, Wellington, Salop.

L OCUM, qualified, fortnight commencing May 14th; Light country Retail, near Nottingham; short hours; abstain preferred, but not essential if thoroughly reliable; refer with application, please. Cadge, Bingham.

M.P.S. WANTED immediately for good-class Retail business; must be accurate Dispenser; able to take charge; state experience, age, and salary required. Apply 70/ Office of this Paper.

Q UALIFIED Manager required immediately to undertake Manager's relief work; start immediately; permanency relief work satisfactory; Yorks and Lancs. Apply "Y." (63/150), Office of this Paper.

Q UALIFIED Assistant wanted; age 22 to 27; must be energetic and capable, for Mixed Dispensing, Photographic, and General business; good Window-dresser. Apply, stating salary. W. K. Eyre, 75 Newborough, Scarborough.

S MART Junior wanted for Counter and Dispensing; knowledge of Photography an advantage. Apply, stating age, experience, and salary required, to Colmans, Ltd., 161 Bury New Road, Manchester.

U NQUALIFIED Assistant required for Prescription Dispensing; French experience preferred; hours 9 to 6. A. Staff Manager, Harrods Ltd., 44 Hans Crescent, S.W. 1.

U NQUALIFIED Assistant required from May to September in seaside business; Dispensing and Photographic; must speak Welsh; easy hours; no Sunday or night duty. Apply, stating age, height, references, and salary required, to Styles, Beaumont, Anglesey.

U NQUALIFIED Assistant required, capable, trustworthy, in middle-class business, Mixed Family and Dispensing business. Please give full particulars with application of sex, age, experience, testimonials, salary required, etc., to E. F. Cooper, Chemist, Bishop's Stortford.

W ANTED, Junior or Improver. Apply, stating age, experience, and salary (outdoors), and giving references, Thomas Bell, Chemist, Ambleside.

W ANTED, qualified married man as Manager for Branch business and live over premises; middle-class, ready-made Prescribing and Photographic, with N.H.I. Prescriptions. Apply stating age, salary, previous experience, when disengaged, to M., 33 Croydon Road, S.E.

W ANTED immediately, Assistant (temporary, until Exam.); Light Retail and Dispensing; outdoors. Apply giving reference, to Coleman, 81 Nightingale Lane, Ball's S.W. 12.

W ANTED, qualified Assistant, experienced in best-class Dispensing and Counter; about 25; also, immediately, young unqualified Junior; accurate Dispenser; both outdoors. Terms references to H. Dyson, Chemist, Market Place, Reading.

Y OUNG, energetic, qualified Assistant, for May 16th; up-to-date with progressive and sound knowledge of Photography essential, in high-class suburban Dispensing Business; excellent prospects to suitable applicant. Full particulars, with photo in first instance, to "Progressive" (30/41), Office of this Paper.

2 ASSISTANTS wanted, West End and City; smart, gentlemanly good Salesman and Dispenser, about 30, qualified; also part time, not over 40, for late duty; must be well recommended. Apply "Chemists" (P.C.B. 78/3), Office of this Paper.

WHOLESALE.

6s. for 40 words or less; 6d. for every additional 10 words or less prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-

DRUG DEPARTMENT.—A smart, experienced Salesman required, unqualified; one used to London Store trade preferred. Apply personally any day except Saturday between 10.30 and 11.30, or by letter, to the Staff Office, A. W. Gamage, Ltd., 7 Hatton Garden, E.C. 1.

RY Counter.—Young man, about 18-20, wanted, with some experience. Apply, stating age, experience, and wages required, to Secretary, General Apothecaries' Company, 49 Berners Street, London, W. 1.

TAN required with expert experience in all branches of Writing Ink manufacture and allied lines. Full particulars letter only to Thacker, Star Lane, St. Mary Cray, Kent.

MEDICAL Representatives calling on Doctors in London and the South open to represent an additional manufacturer in established goods are invited to write stating the firm or firms already representing and the ground covered. Apply 15/45, see of this Paper.

UALIFIED man required with experience in Headache and Nerve Powder productions; also experienced Assistant for wholesale manufacture of Vapourising Perfume Cones; progressive position for suitable men. Apply "Advertiser," Ferna, Third Avenue, Denville, Havant, Hants.

REPRESENTATIVE for the whole of Ireland on commission for the sale of Toilet Brushware; preference given to one with knowledge of Chemist's trade. Apply, with references, by 21st, to Coate & Co., London Brush Works, Axminster, Devon.

REPRESENTATIVE wanted for Toilet Brushes for London and country. Apply Coate & Co., London Brush Works, Axminster.

REPRESENTATIVES on commission basis with good connection amongst London and district Chemists to introduce as side-attractive Hair Preparations under generous bonus scheme. Applications to Stokes & Co., City Press Chambers, 149 Alders Street, E.C. 1.

REPRESENTATIVES wanted, with good connection among Chemists in Agricultural districts, to introduce line of Pig Driers; 15 per cent. commission; liberal profits to retailers. The ground covered and lines at present carried to 71/40, Office of this Paper.

LES Manager.—Large Firm of Importers desire to interview Expert in Food Products, who has had recent experience handling and directing sales staff. Reply fully by letter to Porter, c/o Taylors, 30 Fleet Street, E.C. 4.

RGICAL Appliance Fitter required; one capable of measuring, estimating, and fitting all kinds of Surgical Appliances. c, stating age, experience, and salary required, to P.C.B. O, Office of this Paper.

AVELLER required by Surgical Dressing and Chemists' Sundries house, to call on Chemists in Yorkshire and Lincoln; have first-class connection and reside on the territory; salary, commission, and expenses. State full particulars, past experience, age to "Mao" (45/11B), Office of this Paper.

WANTED, Traveller with good Retail connection in and around London; Dressings and Druggists' Sundries. Galen Manufacturing Co., Ltd., New Cross, S.E. 14.

WANTED, reliable man for office of progressive London Wholesale Druggist and Sundries house; one used to Pricing, selling Queries, and with a knowledge of Correspondence. Apply, full particulars of experience, age, and salary expected, to 15G, Office of this Paper.

WANTED, Under-Buyer (qualified) for Drug, Perfumery, and Toilet Soap Departments; knowledge of factory organisation essential. Give full particulars of experience, etc., in letter of application to Food Section Manager, Harrods Ltd., Brompton, S.W. 1.

SITUATIONS OPEN.

(Colonial, Indian and Foreign).

TEND.—Leading Pharmacy; wanted, for the season (three months from Mid-June), first-class English Assistant. Write to place, "O," c/o Parke, Davis & Co., Beak Street, Regent St., W. 1.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the easiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances are sent to us direct or through the advertisers' correspondents in this country.

SITUATIONS WANTED.

[HOME.]

RETAIL

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-

A.A.A.—LOCUM, disengaged; highly recommended; take entire charge; terms moderate; abstainer. "Pharmacist," Goodall, Backhouse, Ltd., Wholesale Chemists, Leeds.

A.A.A.—QUALIFIED Manager, 34, thoroughly reliable, very successful Branch Manager, desires permanency as Branch manager; nine years present berth. "Saul" (69/22), Office of this Paper.

A CAPABLE Pharmacist; 33; single; permanency; moderate remuneration; disengaged shortly. "C," Burslip Villa, Grosvenor Street, Cheltenham.

A CAPABLE, qualified Assistant (35) desires post as Manager or Senior; 20 years' first-class experience Optics, Photography, Window-dressing. Mellor, 31 Lorne Street, Burslem, Staffs.

A RELIABLE Assistant; highest references and experience; Locum, permanency. "Chemist," 6 Eastbourne Terrace, London, W.

A NY capacity, Branch Manager, Dispenser, Bookkeeper, Correspondence, Secretary, Photographics, Stockkeeper, Fine Chemicals, Invoicing, Wholesale or Retail; excellent London references; qualified; small salary. Apply "X. Y. Z." (70/36), Office of this Paper.

A S Chemist; age 40; married; Major; educated Manchester University; Colloquial French and Welsh; knowledge Company Law and Finance. M.L. 97877, Office of this Paper.

A S Junior; 4 years' experience; 21; good reference; West of England preferred. Reed, 36 Catherine Street, Devonport.

A S Manager or Assistant (27); qualified; first-class experience Dispensing, Counter, and Photography. A. N. Phethean, Ruddington, Notts.

A SSISTANT (lady); unqualified; experienced Rexall, Dispensing, Counter, Window-dressing; highest references; Midlands or North preferred. Apply 24/560, Office of this Paper.

A SSISTANT (lady), Hall, 10 years' practical experience, desires post, Doctor or Chemist. Apply "L. M. F." (70/28), Office of this Paper.

A SSISTANT; unqualified; 21; five years' experience; good reference. Taylor, 7 Lorne Road, Southwold, Suffolk.

A SSISTANT, unqualified, good Salesman, N.H.I. Dispensing 100 per day, Stock, requires permanency. "Aspirin," 39 Dulwich Road, Herne Hill.

A SSISTANT Dispenser; 27; married; 3 years' experience as Assistant. M.L. 75250, Office of this Paper.

A SSISTANT, unqualified, single, first-class experience, desires easy berth, not being very strong, about end of May. Apply P.C.B. 74/38, Office of this Paper.

A SSISTANT Dispenser (lady), Hall certificate, wishes post with Doctor or in Hospital. Tel. No. 455 Wimbledon. Address R., 150 Hartfield Road, Wimbledon, S.W. 19.

A SSISTANT, unqualified, seeks berth, North London, as Dispenser and Counter Hand. Reddin, Myrtle Cottage, Lord Street, Hoddesdon, Herts.

A SSISTANT (31); Student-Associate; single; abstainer; London and provincial experience; excellent references; Dispensing, Counter, Window-dressing. Write "M. Combe," 73 Sterndale Road, Brook Green, Hammersmith.

A SSISTANT (clergyman's daughter) desires post, early May; London. Write, duties, hours, salary, Miss Rumsey, 128 Belgrave Road, S.W.

A SSISTANT (23), single, unqualified, desires post, Birmingham district (not essential); first-class experience Dispensing, Counter, Window-dressing, Photography; good references; disengaged May 21st. Apply Roberts, 8 Farquhar Road, Moseley, Birmingham.

A SSISTANT, unqualified (40); good West-End experience Retail, Dispensing, and Photography; disengaged; permanency preferred. Tucker, 11 Bungalow Road, South Norwood.

A SSISTANT or Manager; 33; unqualified; 15 years' good all-round Dispensing and Counter experience; abstainer; reliable; at present managing business, which is being sold; disengaged April 10th; North preferred. Apply 73/2, Office of this Paper.

ASSISTANT, unqualified (21), disengaged; 2 years' Clifton experience in Dispensing, Counter, and Photography; Bristol, West of England, or South Wales preferred. Write 72/16, Office of this Paper.

ASSISTANT; unqualified; 36; experienced Counter, Dispensing, Photographic, Optical; good Salesman and Window-dresser; energetic. Apply "W." (71/11), Office of this Paper.

BRANCH Manager or Assistant; 28; tall; qualified; 10 years' West-End and provincial experience; Locum or permanency. "Chemicus," 19 Milton Road, Hanwell, W. 7.

BRANCH Manager or Assistant; 47; married; disengaged; unqualified; Dispensing and Counter experience, also accustomed to Store trade; 10 years last situation; undeniable references. A. E. W., 62 Park Road, Spalding.

BRANCH Manager desires situation where services of wife as Counter Hand would be useful; no encumbrances; qualified; experienced; would invest small capital if required; disengaged shortly. "Northern" (71/27), Office of this Paper.

CHEMIST, expert Photographer, is open for season engagement or Locum. Walker, 24 Aynam Road, Kendal.

CLERICAL.—Evening work of any kind; writing up accounts and posting up books; terms moderate. Write "P. G." (266/35), Office of this Paper.

DISENGAGED shortly; qualified; age 46; wide experience; Manager or Locum; London preferred. "Chemist," 108b Egin Avenue, W. 9.

DISENGAGED; Manager, Senior, or Locum; qualified, experienced in all branches; highest references. Steel, 260 Upper Tooting Road, S.W.

DISPENSER, qualified, desires position in Bournemouth or near. Apply P.C.B. 75/11, Office of this Paper.

DISPENSER; eight years' experience; good testimonials; permanent work or locum. Miss Mathews, 7 Montpelier Row, Blackheath, S.E. 3.

DISPENSER (Hall), lady, seeks post with Doctor or in Institution. Apply E. H., 194 Lower Clapton Road, E. 5.

DISPENSER, lady, desires post, Doctor, Chemist, or Institution; town or country; thoroughly experienced; quick, energetic, and reliable. Address "Medicus," Mount Vernon Hospital, 7 Fitzroy Square, London, W.

DISPENSER (male), disengaged mornings; thoroughly experienced, also Institutional Secretary's work. Squire, 66 Alexandra Park Road, N. 10.

DISPENSER to Surgeon or Institution; Apothecaries' Hall and Pharmaceutical Society's qualifications; long experience. Apply 72/27, Office of this Paper.

DISPENSER-BOOKKEEPER (Hall), lady, desires post, Doctor or Institution; experienced; excellent references; London or district. Miss M. Gordon, 149 Cromwell Road, S.W.

DOCTOR'S Dispenser-Bookkeeper; unqualified; 39; married; 20 years' experience; good references. A. D., 67 Battersea Rise, S.W.

ELDERLY qualified Chemist disengaged; protection; light duties; terms moderate. Apply 71/31, Office of this Paper.

EXPERIENCED; part or whole time; Dispensing, Prescribing, Bookkeeping, Counter, Dental. "Locum," 122 Scott-Ellis Gardens, N.W. 8.

EXPERIENCED Assistant, reliable; good references; London; disengaged. H. Lemon, 7 Roslin Terrace, Roslin Road, Acton, W. 3.

EX-SERVICE man desires position in Pharmacy; Dispenser or Representative; age 30; single; 6 years' experience as Chemist's Assistant; willing to go abroad. M.L. 1311/21, Office of this Paper.

JUNIOR, 20, through Part I., bilingual, desires post with good, varied Dispensing; well educated; excellent business and personal references; West Coast preferred, not essential; free about Whit. "J. R. P.," Danesbury, Upper Bangor, N. Wales.

LADY Assistant; Counter, Window-dressing, N.H.I. Dispensing; excellent references; five years' experience. Apply "Statim," 198 Walton Street, Chelsea, S.W. 5.

LADY Dispenser (Hall), experienced, disengaged on fortnight's notice; Doctor or Institution; London or Lancashire preferred; please state salary. Apply 70/34, Office of this Paper.

LADY Dispenser, Hall certificate, seeks post; late Motor Driver Women's Legion. M. Baker, The Trees, Maldon, Essex.

LADY Dispenser (qualified), four years' experience, seeks post. Miss Burton, Green Hammerton, Yorks.

LADY Dispenser, six years' experience, requires post in May; Chemist or Doctor; North of England preferred. Miss Vincent, Bamford Rectory, Sheffield.

LADY Dispenser (Hall), good experience with Chemist, Doctor, and Institution, requires post; excellent testimonials; whole, part time, or temporary. Apply P., 42 King Edward's Gardens, W. 3.

LADY, qualified, desires situation, Institution, Chemist, Locum; Manchester or suburbs. Illingworth, 9 Wilton Road, Chorlton-cum-Hardy, Manchester.

LADY; unqualified; Manchester or district; good Window-dresser, Counter hand, Dispenser; excellent references. Thomas Holden Street, Bolton.

LADY, young, requires position with Chemist; energetic; years' practical Dispensing and Counter experience; Gloucester district preferred. Apply 72/19, Office of this Paper.

LOCUM, qualified, good experience, now booking dates; resident near Nottingham; interviews arranged. Apply 70/39, Office of this Paper.

LOCUM or permanency; up-to-date, qualified, reliable, competent man; three years' reference. "Aspirin," 57 Broadway, Walthamstow, Essex.

LOCUM; disengaged; town or country; qualified; middle-aged, active, reliable; moderate terms. Dunn, 26 Undercliff Road, Lewisham, London, S.E.

LOCUM; qualified; long experience; well recommended; open engagements May and June. Clarke, Severn Cottage, J Street, Shrewsbury.

LOCUM (lady), Pharmacist, open for engagements from Monday. Apply Hughes, 89 Upper North Street, Poplar, London, E.

LOCUM, Holiday Relief Assistant, or Manager; thoroughly competent, experienced, industrious; terms low; disengaged. "Reliable," 239 Camberwell New Road, S.E. 5.

LOCUM, qualified, 36, also wife (if required); latter has completed apprenticeship; abstainers, reliable, trustworthy; engaged April 25. "Ferrum," 93 High Street East, Glossop.

LOCUM.—Qualified Assistant desires Locums from June to September; at present on French Riviera; highest references. Apply "R.," c/o Cruickshank, 27 Victoria Street, Aberdeen.

LOCUM, Dispenser, or Assistant; first-class West-End and Hospital experience; disengaged May 7th. "Dispenser," Norwich Road, Lowestoft.

LOCUM; qualified; reliable; thorough all-round experience; well recommended; disengaged April, July, September. D. 111 Royal Parade, Eastbourne.

LOCUM or Branch Manager (40); Retail and Dispensing; engaged; good references. Turner, 44 Macfarlane Road, Shepherd's Bush, W. 12.

LOCUM or Relief Assistant; qualified; reliable references; town or country; terms reasonable; management with view purchase entertained. Apply 71/120, Office of this Paper.

MANAGER or Assistant; permanent or temporary; experienced; highest testimonials; disengaged in fortnight. "M.P.," 22 Ellison Road, Barnes, S.W.

MANAGER, qualified, desires re-engagement outside London area; interview arranged; photo. Please state particular salary offered to the Manager, Market Pharmacy, Aylsham, Norfolk.

MANAGER or Senior; unqualified; 38; capacity for organization and taking complete charge; expert Salesman, Dispensing, Photographic; London or near; £4 5s. per week. Apply 71/8, Office of this Paper.

M. OLDFIELD (Pain & Bayles), who is relinquishing his business, wishes to recommend his Dispenser (middle-aged) anyone requiring a trustworthy and competent Branch Manager or Dispenser; salary not such an object as a comfortable appointment; tall, gentlemanly, and of good address; qualified. Her son, 17 Cornhill, Ipswich.

MR. S. RILEY, Flint, desires to recommend his Assistant (years, Apprentice and Assistant, with myself, except Army service); 25 years old; thoroughly trustworthy; total stainer; situation in good Light Retail and Dispensing wanted. Write Mr. J. E. E. Coulter, "Sunnyside Cottage," Flint.

PART-TIME Chemist, mature experience, attending lectures, desires evening appointment with busy Pharmacist; Clapton or district preferred, but not essential. Replies "Compete" (P.C.B. 77/12), Office of this Paper.

PART TIME evenings, also half-day Saturday; good Dispenser. W. or S.W. preferred. Apply 72/36, Office of this Paper.

PHARMACIST; 29; married; M.P.S.; served 4 years' apprenticeship as unqualified Assistant and Dispenser. M.L. 266, Office of this Paper.

POST in high-class Dispensary business; 23; single; M.P. served 4 years' apprenticeship; also experience as Dispenser. M.L. 7594, Office of this Paper.

QUALIFIED; 36; abstainer; 5 ft. 8 in.; 5½ years' reference. Locum or permanency. "Rhei," 54 Sefton Street, Southampton.

QUALIFIED; Scotchman; 37; married; first-class West-End and Continental experience; speaks French. Miller, Fairbridge Road, London, N. 19.

QUALIFIED, as Locum, Manager, Assistant; tall, good appearance and address; experienced; disengaged. 29 Victoria North, Southsea.

QUALIFIED; 37; abstainer; married; Manager or Assistant; 19 years' good experience; disengaged. C. E. Beer, 98 Chound Lane, Streatham Common.

QUALIFIED; 26; disengaged middle of May; experienced, energetic, reliable; Scotch and London experience; Window-drawing and Photography; permanency desired. Apply 73/23, Office of this Paper.

QUALIFIED, tall, young, single, good experience, first-class Dispenser, knowledge Photography, desires post; good references. Apply 72/360, Office of this Paper.

QUALIFIED; 32; energetic and capable; good references; £4 5s.; any capacity. "Opus" (72/3), Office of this Paper.

QUALIFIED (37), excellent experience in all branches, as Branch Manager; good Prescriber; excellent references; rate salary; disengaged. Apply 72/18, Office of this Paper.

IDENT Manager, 30, qualified, experienced, disengaged June, requires permanency; West of England or South Coast table. "M.P.S." 5 Broad Street, Staple Hill, Bristol.

CART, experienced Pharmacist Manager requires permanency in town or country; up-to-date in modern business methods; aged; married. Usual particulars to "Minor," 26 Fox Hill, 19.

QUALIFIED, good Dispensing experience, passed Minor except Pharmacy, desires post in Manchester or district. Son, Main Road, Windermere.

QUALIFIED desires post; Retail, Wholesale, Dispensing; good references. Write "Statim," 41 Oxford Road, Ealing,

QUALIFIED; capable, reliable; Manager or Assistant; all-round experience; age 38; tactful Salesman; expert Preparer; excellent references; disengaged; Locum or temporary retained. "Number One," 74 Peckham Road, S.E. 15.

WHOLESALE, Retail, or Dispensing; apprenticed and Assistant in Wholesale and Retail; unqualified; Hall, certifiable to control staff; good experience; abstainer; non-union; years in the trade; Hospital experience; wages moderate. "Alpha," 42 Lascelles Road, Dover.

YOUNG lady (22); six years' experience Dispensing, Counter, Stock; good reference. Miss D., Bravo Villa, W. Bergholt, Colchester.

YOUNG lady (Hall) desires Locum post as Dispenser to Chemist or Doctor, in London, May 2nd to July 20th, or part. F. B. Cox, 43 Ashley Road, N. 19.

M. to 8 p.m. each evening; Pharmacist has these two valuable hours at his disposal to render assistance in any of the business; W. or S.W. London. "Pharmacist," 7 Mel Mansions, Kelvedon Road, S.W. 6.

BRANCH Manager; qualified; good Stockkeeper, Prescriber; tactful Counter Hand; good references. "Pharma-4 Acton Lane, Sudbury, Suffolk.

WHOLESALE.

for 18 words or less; 6d. for every additional 10 words or less, prepaid.

COUNTRY Representative, to offer Pills and Tablets; 20 per cent. commission; state ground covered. Also London Representative; small salary, expenses, and commission. "S. G." (7), Office of this Paper.

VERTISER, with good connection amongst London Stores and Chemists, is open to consider a few additional Side on commission basis. Write "S." (P.C.B. 77/36), Office of this Paper.

VERTISER, good connection Chemists, City and W.E., also Stores, open to receive offer from good Wholesale house, representation. "E." (77/360), Office of this Paper.

VERTISER, 45, covering Liverpool, Cheshire, and North Wales, 20 years' experience Retail trade, well known, seeks as Representative, Drugs, Photographic, or Proprietary. 29 Florence Road, Wallasey.

Are you needing a live man?—Exceptional experience in Retail, Dispensing (Medical), and Wholesale; age 36; undeniable references; any position of trust or confidence, or where ability be recognised; disengaged May 1st. "Veritas" (73/7), Office of this Paper.

CTOR'S Son, Public School education, first-class testimonials, willing to travel for firm of repute; commission only for a possibly invest some capital later if found suitable. 71/37, Office of this Paper.

EXPERIENCED Office, Warehouse, Manufacturing, Stock, and Storekeeper; practical Checker; Chemicals, Drugs, Orders. 22 Scott-Ellis Gardens, N.W. 8.

ORGANISING, Administrative, Travelling, or Managerial post; 49; married; Major; M.P.S.; fluent Italian, slight French; 25 years in business on own account as Pharmacist; considerable administrative experience in Army as O.C. Medical Stores in France and Italy. M.L. 98597, Office of this Paper.

SALESMAN, Manager, or Buyer in the Chemical trade; 37; single; 14 years' experience as Junior to Departmental Manager, 1 year as Buyer and Salesman to Chemical Merchants, also 2 years' experience as Manager of Chemical Department for General Merchants. M.L. 2915/21, Office of this Paper.

TRAVELLER or Bookkeeper; 26; single; 6 years' experience with Chemists; qualified Bookkeeper. M.L. 73169, Office of this Paper.

YOUNG Pharmaceutical Chemist, recently completed training at Square, desires position with Wholesale house; Analytical side preferred; accurate worker, possessing excellent references. P.C.B. 78/5, Office of this Paper.

MISCELLANEOUS.

10s. for 60 words; 1s. for every additional 10 words or less.

SHOP FITTINGS.—Drug Fitting, glass-fronted Counter, Wall Cases, and Dispensary Screens for immediate delivery; lowest prices consistent with high-class work. H. Mills & Sons, Shop-fitters, 163/165 Old Street, E.C. 1.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C. 1.

COMPLETE set of Shop Fittings, comprising 14' 0" Drug Fitting, 10' 0" glass-fronted Counter, 6' 0" bent plate-glass Counter Case, 6' 0" handsome Dispensing Screen, Counter, and Sponge Case, 6' 0" Wall Case, Perfumery Case, and Desk and nest of Counter Drawers. Can be seen at Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

ACCURATE Thermometers, about 400; one-minute Prismatic Clinicals; nickel cases, all passed N.P.L. test 1921, 18s. per doz.; 100 each Chemical do, 110 and 150 degrees Centigrade, 250 or 300 degrees Fahrenheit, 18s. per doz.; 360 Centigrade or 400 Fahr., 24s. per dozen; 550 Centigrade, special glass, 10s. each; also Bath, Dairy, and House types, cheap. Cheeld, Chesham.

FOR disposal, 5 or 6 tons Double Distilled Glycerine, B.P., 1.260 Price's, in half-ton drums; 130s. cwt.; quite fresh. 72/38, Office of this Paper.

FOR Sale, about 400 gross small tin Boxes; hinged lids; size 1½" x 1½" x ¾". Best offer to clear to F. L. & F., 10 Moor Lane, London, E.C.

WOULD any firms who bought Carbonate of Potash, 96/98%, during December 1920 or January 1921 kindly communicate with 30/40P, Office of this Paper?

EXCHANGE COLUMN.

Twopence per word; Minimum 2s.

FOR DISPOSAL.

GOERZ Prismatic 4 x Monocular, second-hand; 17s. 6d. Lennox, 82 Stoke Croft, Bristol.

9 DOZEN Scott's Emulsion, 1s. 3d. size; all or part 11s. per dozen. Cave, Chemists, Southport.

MINOR Apparatus, complete. Burette, etc., 35s. or offer. "W.", 58a Victoria Road, Hendon, N.W. 4.

WANTED.

COPY Nisbet's "Golfer's Year-Book"; state edition and price. Cave, Chemists, Southport.

PHARMACEUTICAL Books wanted; cash offers on receipt. Gower, Bookseller, 41 Voltaire Road, Clapham.

RADIUM SALT, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

NEW or second-hand Dispensing Scales, up-to-date pattern, with weights from 1 grain to 2 drachms, all stamped. Smith's, Drug Stores, Narborough, Leicester.

COUNTER, Showcases, Drawers, Shop Rouds, Show Carboys, Window Shelves, Scales, Signs ("Chemist," "Insurance Dispensary"), second-hand, cheap. Particulars of any above (priced separately) to 71/36, Office of this Paper.

SHOP FITTINGS, etc. (excepting Counter and Window Fixtures) for wall space 8 ft. 4" high x 12 ft. long and wall space 8 ft. 10" high x 9 ft. long; Wall Case for space 5 ft. 6" high x 5 ft. 6" long; Dispensing Screen, 4 ft. long; Counter Case and Showcases, Utensils, etc.; within 20 miles Manchester preferred; give sketches. 72/23, Office of this Paper.

PESSIMISM V. PLUCK



At the moment the Man-who-fears-the-Worst is somewhat prevalent in certain phases of business, but happily his evil influence is evanescent. The success of the British Empire is largely dependent on the fact that we never recognise defeat.

The ordinary business man knew perfectly well that reaction from the unhealthy commercial conditions immediately following the Armistice was inevitable. Now that reaction has come, the real man of grit does not sit down and wait for things to happen.

He gets up and looks around for new markets, lays careful plans of campaign and starts fresh schemes. He takes no chances. There is business—plenty of it for the next ten years at least—waiting for him. He knows this and he is going to make sure of it NOW.

That is why the manufacturer, the exporter, the wholesaler and the retailer of drugs, chemicals, perfumery and allied products welcome so reliable a business-bringer as the

ANNUAL SPECIAL ISSUE of THE CHEMIST AND DRUGGIST

Experience has proved that publicity in such an Issue is the most effective and least expensive way of helping old customers and of finding new ones. Reasons are not far to seek, seeing that THE CHEMIST AND DRUGGIST is subscribed for regularly by the best and biggest buyers in the trades represented throughout the world. Good money is paid by our subscribers solely for the services our Journal only can give. No sentiment enters into the transaction.

So the ANNUAL SPECIAL ISSUE, to be published on

JUNE 25, 1921,

will be read through carefully from cover to cover, *because our subscribers know that it will pay them to do so.*

If, therefore, you have not already given instructions for your advertising in that Issue, kindly let us know your requirements and we will quote you for space in the white paper pages or for insets on coloured paper. Address :

THE PUBLISHER, THE CHEMIST & DRUGGIST,
42 CANNON STREET, LONDON, E.C.4.

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MANCHESTER, England.

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FURTHER DETAILS IN OUR "SPECIAL ISSUE" BOOKLET

SULPHUR TABLETS COMPRESSED

for Season 1921.

We asked our Chemists to produce a Tablet that the kiddies would really like, and so pleasant that they would ask for more.

Our Chemists succeeded without destroying any of the medicinal virtues of the Tablets, which are made of Cream of Tartar, Flowers of Sulphur and Icing Sugar, pleasantly flavoured with either Lime or Orange. They are smooth to suck, and are sharp and fruity.

We asked our Advertising and Salesmen to produce displays worthy of the Tablets. They have done it.

What the Tablets are made of, the good they do to GROWN-UPS as well as children, how good they taste, and how indispensable they are, are points that, with our Artists' assistance, are so elaborated in our Window Display (sent with 56-lb. lots) that we are selling enormous quantities.

“THE WIGGLESWORTH WAY”

CONTINUES TO BUILD UP BUSINESS
BY MAKING THE PUBLIC BUY
QUALITY PRODUCTS THAT MAKE
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